Product Catalog

Leading with Innovative Products & Proven Designs

ZURN®

WILKINS

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PRESSURE REGULATORS

Wilkins is synonymous with quality in the water pressure reducing valve industry. When you purchase, specify, or install a Wilkins PRV you are selecting the most reliable regulator in the industry!

WILKINS CONTROL VALVES

Wilkins automatic control valves provide innovative solutions to specific water system requirements!

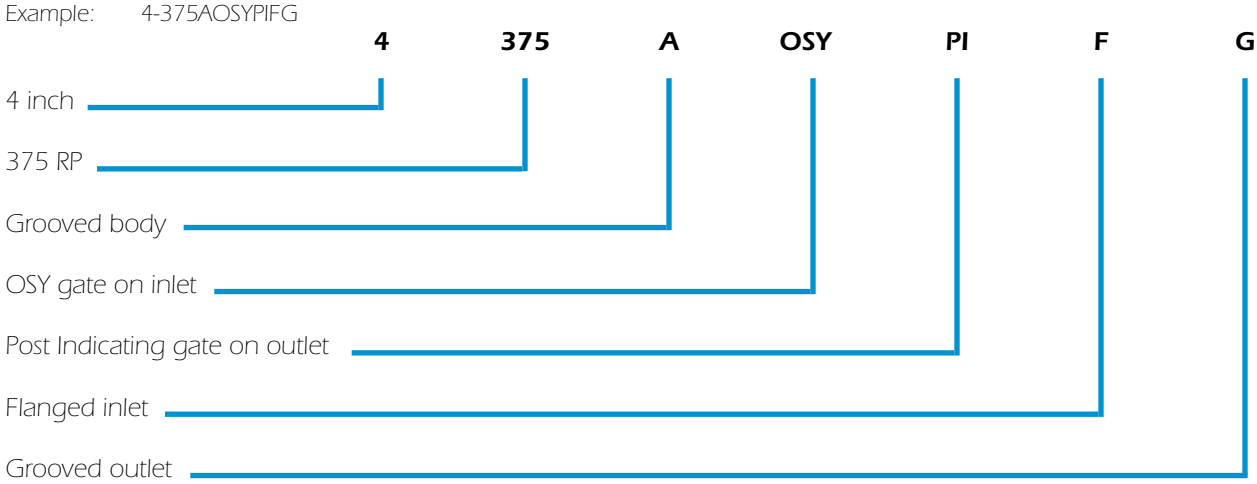
BACKFLOW PREVENTERS

Wilkins backflow preventers offer the best value backflow prevention on the market. From single checks to vacuum breakers to backflow assemblies, Wilkins has what you need. And with our multiple configurations Wilkins makes your installation easy which in turn saves you money and time.

In addition to ease of installation and maintenance Wilkins offers many options for large backflow.

Follow this simple guide and you can build a Wilkins backflow part number to fit your needs:

Example: 4-375AOSYPIFG



(size)-(model number) ("A" =grooved body or no letter = standard flanged body) (DA =Detector Assembly) (inlet shutoff ="OSY", "PI", "NRS", or "BGVIC") (outlet shutoff = "OSY", "PI", "NRS", "BGVIC" or nothing if same as inlet) (inlet connection "G"=grooved or "F"=flanged) (outlet connection "G"=grooved or "F"=flanged)

BACKFLOW ACCESSORIES & SECURITY PRODUCTS

STRAINERS

Help keep your valve clean with a Wilkins Strainer!

THERMOSTATIC MIXING VALVES

The Wilkins Thermostatic Mixing Valve helps in keeping people safe from scalding injuries while allowing the temperatures to remain high enough to inhibit the growth of bacteria. In addition to safety, it also helps save money and energy by allowing you to turn up your water heater thermostat without risk of injury.

TEMPERATURE AND PRESSURE RELIEF VALVES

MISCELLANEOUS PLUMBING PRODUCTS

FIRE VALVES

Wilkins Pressure-Tru fire system valves. A reliable choice in the Fire Industry!

PRODUCT LOCATOR

Water Pressure Reducing Valves

NR3 Series

Applications

As the newest member of the Wilkins pressure reducing valve family, the NR3 is the most versatile yet. Its cartridge loaded design with integral strainer allow for rapid cleaning and repair, making the valve most suitable for residential and commercial applications that require minimal downtime for maintenance. Both ends of the regulator are threaded for unions and female NPT, allowing for a tremendous number of end connection options. As with all Wilkins pressure reducing valves, the NR3 reduces pressure in both flowing and non-flowing applications.

Features

- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Pressure rated 400 psi (1/2" – 1 1/4"), 300 psi (1 1/2", 2")
- Spring range 15 to 75 psi (1/2" – 1 1/4"), 25 to 75 psi (1 1/2", 2");
- Factory set at 50 psi
- Maximum temperature 180°F
- All bronze body and composite bell housing
- Replaceable acetal cartridge with integral stainless steel strainer
- Built-in by-pass prevents buildup of excessive system pressure caused by thermal expansion
- Nylon reinforced Buna-N diaphragm
- Balanced piston design
- May be installed in any position
- All internal parts corrosion-resistant and included in a drop-in cartridge
- Short lay length makes for easy retrofit
- No special tools required
- Serviceable in-line
- Available tapped and plugged for gauge (optional)
- Available tapped with gauge (optional)
- ASSE® Listed 1003, IAPMO® Listed

Options

Model NR3	Single union with FNPT tailpiece, inlet and outlet both male threaded for union on either or both sides
Model NR3C	Union end connection in female copper sweat
Model NR3DU	Double union with two FNPT tailpieces and union nuts
Model NR3DUC	Double union with two female copper sweat tailpieces and two union nuts
Model NR3DULU	Less tailpieces and union nuts, female iron pipe thread
Model NR3SC	Sealed cage bell and stainless steel adjusting screw. For below-ground and indoor applications
Model NR3PEX	Union end supplied with male barb connection tailpiece for cross-linked polyethylene (PEX) tubing
Model NR3DUPEX	Supplied with two male barb connection tailpieces for cross-linked polyethylene (PEX) tubing

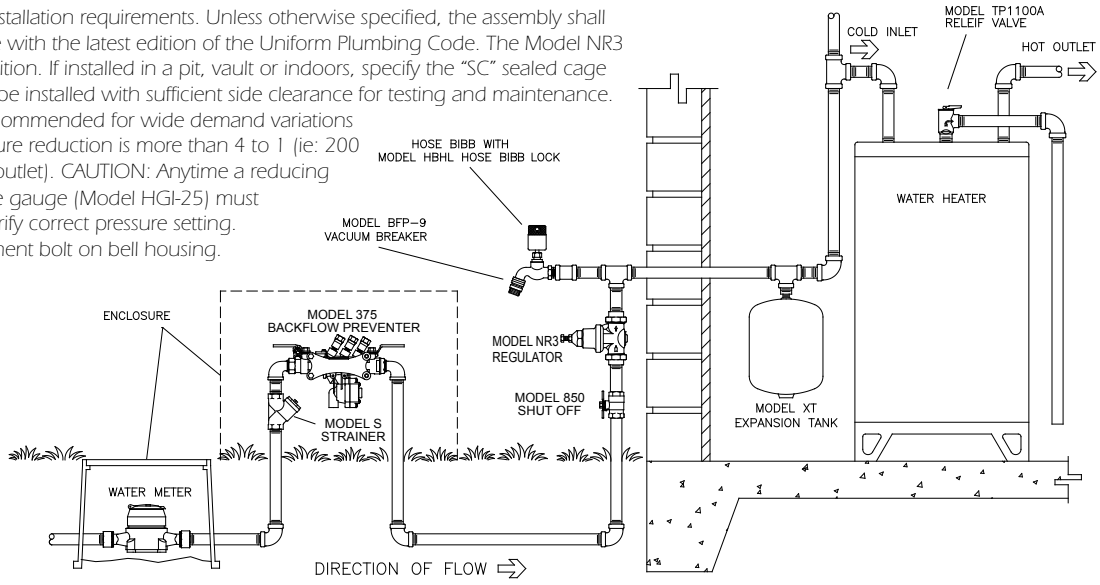
Accessories

- ❑ Special plastic spacer nipple for use with 1/2", 3/4" and 1 1/4" NR3 double union regulators (Model BR4DUSPC)
- ❑ Special spacer nipple for use with 1" NR3 double union regulators (Model 70DUSPC)
- ❑ Special spacer nipple for use with 1 1/2" and 2" NR3 double union regulators (Model NR3DUSPC)
- ❑ Pressure gauge (Model 92-25)

For other tailpiece options, see page 15.
For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the latest edition of the Uniform Plumbing Code. The Model NR3 may be installed in any position. If installed in a pit, vault or indoors, specify the "SC" sealed cage option. The assembly shall be installed with sufficient side clearance for testing and maintenance. Multiple installations are recommended for wide demand variations or where the desired pressure reduction is more than 4 to 1 (ie: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge (Model HGI-25) must be used downstream to verify correct pressure setting. Do not bottom out adjustment bolt on bell housing.



Water Pressure Reducing Valves

NR3XL Series

Applications

Designed with low lead construction, the NR3XL is compliant with California Assembly Bill 1953 which states that the weighted average surface area shall contain less that 0.25% lead. Additionally, the valve is NSF 61 approved. Embodying all of the features and benefits of the NR3, the NR3XL, with its low lead construction, is the ideal valve for residential and commercial drinking water systems. Removal of lead from drinking water systems is in the best health interest of all who come in contact with water, and the NR3XL is the perfect valve to accomplish this goal.

Features

- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Pressure rated 400 psi (1/2" – 1 1/4"), 300 psi (1 1/2", 2")
- Spring range 15 to 75 psi (1/2" – 1 1/4"), 25 to 75 psi (1 1/2", 2")
- Factory set at 50 psi
- Maximum temperature 180°F
- Low lead alloy body and composite bell housing
- Replaceable acetal cartridge with integral stainless steel strainer
- Built-in by-pass prevents buildup of excessive system pressure caused by thermal expansion
- Nylon reinforced Buna-N diaphragm
- Balanced piston design
- May be installed in any position
- All internal parts corrosion-resistant and included in a drop-in cartridge
- Short lay length makes for easy retrofit
- No special tools required
- Serviceable in-line
- Available tapped and plugged for gauge (optional)
- Available tapped with gauge (optional)
- ASSE® Listed 1003, IAPMO® Listed
- NSF® Standard 61 Certified
- California AB 1953 compliant

Options

Model NR3XL Single union with FNPT tailpiece, inlet and outlet both male threaded for union on either or both sides

Model NR3XLC Union end connection in female copper sweat

Model NR3XLDU Double union with two FNPT tailpieces and union nuts

Model NR3XLDUC Double union with two female copper sweat tailpieces and two union nuts

Model NR3XLDULU Less tailpieces and union nuts, female iron pipe thread

Model NR3XLSC Sealed cage bell and stainless steel adjusting screw. For below-ground and indoor applications

Model NR3XLPEX Union end supplied with male barb connection tailpiece for cross-linked polyethylene (PEX) tubing (1/2", 3/4" and 1)

Model NR3XLDUPEX Supplied with two male barb connection tailpieces for cross-linked polyethylene (PEX) tubing (1/2", 3/4" and 1)

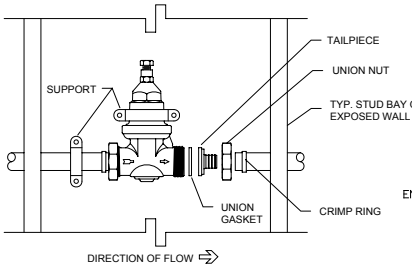
Accessories

- ❑ Special plastic spacer nipple for use with 1/2", 3/4" and 1 1/4" NR3 double union regulators (Model NR3DUSPC)
- ❑ Special spacer nipple for use with 1" NR3XL double union regulators (Model 70DUSPC)
- ❑ Special spacer nipple for use with 1 1/2" and 2" NR3 double union regulators (Model NR3DUSPC)
- ❑ Pressure gauges (Model 92-25)

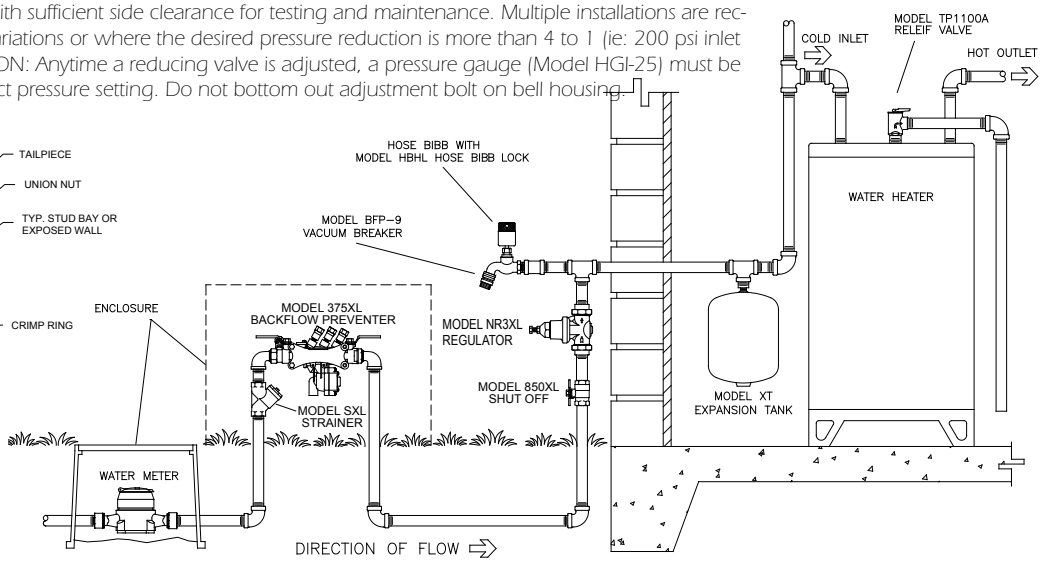
For other tailpiece options, see page 15.
For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the latest edition of the Uniform Plumbing Code. The Model NR3XL may be installed in any position. If installed in a pit, vault, or indoors, specify the "SC" sealed cage option. The assembly shall be installed with sufficient side clearance for testing and maintenance. Multiple installations are recommended for wide demand variations or where the desired pressure reduction is more than 4 to 1 (ie: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge (Model HGI-25) must be used downstream to verify correct pressure setting. Do not bottom out adjustment bolt on bell housing.



NR3XL PEX INSTALLATION



Water Pressure Reducing Valves

BR4 Series

Applications

The BR4 was Wilkins first pressure reducing valve to utilize a replaceable thermoplastic cartridge. The plastic cartridge reduces internal corrosion, thus increasing the time between cartridge replacements. Its 15 to 150 psi adjustment range is the broadest of any regulator that Wilkins offers. Accepting up to 400 psi on the inlet and having end connections that are threaded for both unions and female NPT make the BR4 extremely versatile in residential, commercial and irrigation applications. As with all Wilkins regulators, the integral by-pass helps prevent pressure buildup in a closed system due to thermal expansion.

Features

- **3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Pressure rated 400 psi
- Spring range 15 to 150 psi (sizes 3/8" – 1"); spring range 15 to 75 psi (sizes 1 1/4" – 2"); factory set at 50 psi
- Maximum temperature 180°F
- Sizes 1/2" – 1", all bronze body and composite bell housing
- Sizes 1 1/4" – 2", all bronze body and bell housing
- Replaceable acetal cartridge with integral stainless steel strainer
- Built-in by-pass prevents buildup of excessive system pressure caused by thermal expansion
- Removable spacer limits adjustment range to 80 psi (sizes 3/8" – 1")
- Nylon reinforced Buna-N diaphragm
- Balanced piston design
- May be installed in any position
- All internal parts corrosion-resistant and included in a drop-in cartridge
- Short lay length makes for easy retrofit
- No special tools required
- Serviceable in-line
- Available tapped and plugged for gauge (optional)
- Available tapped with gauge (optional)
- Available with BSP threads (optional)
- ASSE® Listed 1003, IAPMO® Listed, CSA® Certified, City of Los Angeles.

Options

Model BR4	Single union with FNPT tailpiece, inlet and outlet both male threaded for union on either or both sides
Model BR4C	Union end connection standard in female copper sweat
Model BR4DU	Double union with two FNPT tailpieces and union nuts
Model BR4DUC	Double union with two female copper sweat tailpieces and two union nuts
Model BR4DULU	Less tailpieces and union nuts, female iron pipe thread
Model BR4DM	Double meter end connections (3/4", 1")
Model BR4EC	(1/2" – 1") Supplied with thermal expansion control valve. See REG-BR4EC for additional information
Model BR4SC	Sealed cage bell and stainless steel adjusting screw. For below-ground and indoor applications
Model BR4PEX	Union end supplied with male barb connection tailpiece for cross-linked polyethylene (PEX) tubing
Model BR4DUPEX	Supplied with two male barb connection tailpieces for cross-linked polyethylene (PEX) tubing
Model BR5	Stainless steel main valve body (3/4", 1")

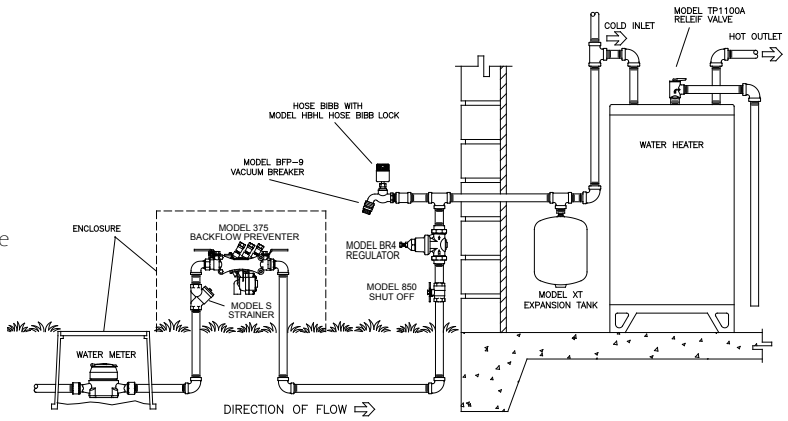
Accessories

- ❑ Special plastic spacer nipple for use with 1/2", 3/4", 1 1/4", 1 1/2" and 2" BR4 double union regulators (Model BR4DUSPC)
- ❑ Special spacer nipple for use with 1" BR4 double union regulators (Model 70DUSPC)
- ❑ Pressure gauges (Model 92-25)

For other tailpiece options, see page 15.
For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the latest edition of the Uniform Plumbing Code. The Model BR4 may be installed in any position. If installed in a pit, vault, or indoors, specify the "SC" sealed cage option. The assembly shall be installed with sufficient side clearance for testing and maintenance. Multiple installations are recommended for wide demand variations or where the desired pressure reduction is more than 4 to 1 (ie: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge (Model HGI-25) must be used downstream to verify correct pressure setting. Do not bottom out adjustment bolt on bell housing.



X Ref

WILKINS	WATTS	CONBRACO	CASH-ACME	HONEYWELL-BRAUKMANN
BR4	N35BU, N45BU, N55BU	36C-U	EB-86U, EB-87U	D05A, DO6G
BR4DU	N35BDU, N45BDU, N55BDU	36C-U2T		D05D, DO6G
BR4DUC	N35BDU-S,N45BDU-S, N55BDU-S	36C-U2S		
BR4DULU	N35B, N45B, N55B	36C EB-86		
BR4C	N35BU-S, N45BU-S, N55BU-S	36C-US	EB-86C	

Water Pressure Reducing Valves

70 Series

Applications

When the model 70 was introduced in 1972, its cartridge loaded design was revolutionary when compared to the 50 plus year-old regulator designs that dominated the market at that time. Still with us today, the model 70 has a multitude of followers that appreciate its ruggedness along with its compact size and simplicity in repair. Available in less union, single union, and double union end configurations, the model 70 is perfect for those residential and light commercial applications requiring a regulator that accepts 300 psi on the inlet and an adjustment range of 25 to 75 psi on the outlet.

Features

- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Pressure rated 300 psi
- Spring range 25 to 75 psi; factory set at 50 psi
- Maximum temperature 180°F
- All bronze body and bell housing provides durability and long life
- Built-in by-pass prevents buildup of excessive system pressure caused by thermal expansion
- Integral stainless steel strainer
- Nylon reinforced Buna-N diaphragm
- Balanced piston design
- May be installed in any position
- All internal parts corrosion-resistant and included in a replaceable cartridge
- Serviceable in-line
- Available tapped and plugged for gauge (optional)
- Available tapped with gauge (optional)
- Available with BSP threads (optional)
- ASSE® Listed 1003, IAPMO® Listed, CSA® Certified, City of Los Angeles

Options

Model 70 Union end connection standard, available 1/2" through 1" in FNPT

Model 70C Union end connection standard, available 1/2" through 1" female copper sweat

Model 70DU Double union FNPT.*

Model 70DUC Double union female copper sweat*

Model 70DUCM Double union male copper sweat*

Model 70DULU Double union, less tailpieces and union nuts (see Accessories on page 14 –15)*

Model 70DM Double male meter thread, no union included (1" National Hose Thread, fits 5/8" x 3/4" and 3/4" water meter)

Model 70SC Sealed cage bell and stainless steel adjusting screw. For below-ground and indoor applications

Model 70SS Same as 70SC except with stainless steel spring. For meter box and below-ground applications

Model 70PEX Union end supplied with male barb connection tailpiece for cross-linked polyethylene (PEX) tubing

Model 70DUPEX Supplied with two male barb connection tailpieces for cross-linked polyethylene (PEX) tubing

Model 70CH Chrome plated internals for aggressive water conditions

***Note:** 70DU Series 1 1/4" through 2" uses same internals as Model 500

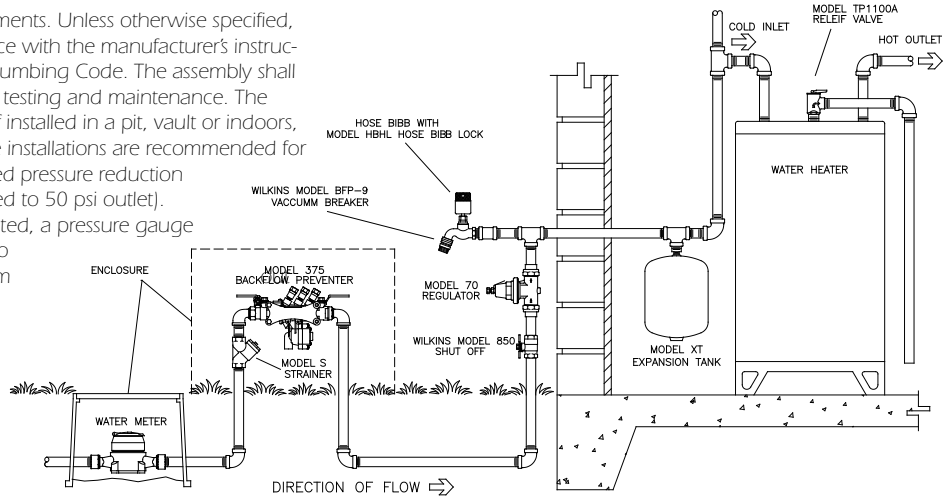
Accessories

- ❑ Special plastic spacer nipple for use with 70 series double union regulators (Model 70DUSPC)
- ❑ Pressure gauges (Model 92-25A 1/2" Only) (Model 92-25 3/4" – 2")

For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. The assembly shall be installed with sufficient side clearance for testing and maintenance. The Model 70 may be installed in any position. If installed in a pit, vault or indoors, specify the "SC" sealed cage option. Multiple installations are recommended for wide demand variations or where the desired pressure reduction is more than 4 to 1 (i.e.: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge (Model HGI-25)must be used downstream to verify correct pressure setting. Do not bottom adjustment bolt on bell housing.



X Ref

WILKINS	CONBRACO
70	36-100
70LU	36-200
70DU	36-400
70DUC	36-500
70C	36-300

Water Pressure Reducing Valves

500 Series

Applications

The model 500 is the workhorse of the Wilkins pressure reducing valve line up. The model 500 exhibits the highest flow rates of the entire Wilkins regulator line, making it most suitable for commercial, industrial, and irrigation applications that demand high flow rates with minimal fall-off. The model 500 is available in 10 – 35 psi, 25 – 75 psi, 75 – 125 psi, and 10 – 125 psi adjustment ranges. All 1/2" to 2" 500's are equipped with a union inlet and female NPT outlet, while the $2^1/_2$" and 3" are provided with female NPT on the inlet and outlet.

Features

- **1/2", 3/4", 1", $1^1/_4$", $1^1/_2$", 2", $2^1/_2$", 3"**
- Pressure rated 300 psi
- Spring range 25 to 75 psi; factory set at 50 psi
- Field set $2^1/_2$" – 3"
- Maximum temperature 180°F
- All bronze body and bell housing provides durability and long life
- Built-in by-pass prevents buildup of excessive system pressure caused by thermal expansion (1/2" – 2")
- Nylon reinforced Buna-N diaphragm
- Balanced piston design
- May be installed in any position
- All internal parts corrosion-resistant
- Serviceable in-line
- Available tapped and plugged for gauge (optional)
- Available tapped with gauge (optional)
- Available with BSP threads 1/2" through 2" (optional)
- ASSE® Listed 1003 (1/2"-$2^1/_2$"), IAPMO® Listed (1/2"-2"), CSA® Certified (1/2"-2"), City of Los Angeles (1/2"-3")

Options

Model 500	Union end connection standard and available 1/2" through 2" in FNPT
Model 500C	Union end connection, 1/2" through 2" female copper sweat
Model 500HR	Spring range is 75-125 psi, factory set at 85 psi; field set $2^1/_2$" – 3"
Model 500HLR	Spring range is 10-125 psi, factory set at 50 psi; field set $2^1/_2$" – 3"
Model 500HT	For high temperature application, up to 210°F.
Model 500L	Less built-in by-pass. (1/2" – 2")
Model 500LPV	Same as 500HT except spring range is 10-35 psi, factory set at 20 psi
Model 500LPC	Spring range is 10-35 psi, factory set at 20 psi.
Model 500SW	Chrome plated internals for salt water
Model 510	Rated for 400 psi and spring range is 75 - 125 psi, factory set at 85 psi; field set $2^1/_2$" – 3"
Model 500SC	Sealed cage bell and stainless steel adjusting screw. For below-ground and indoor applications
Model 500XL	California AB 1953 compliant

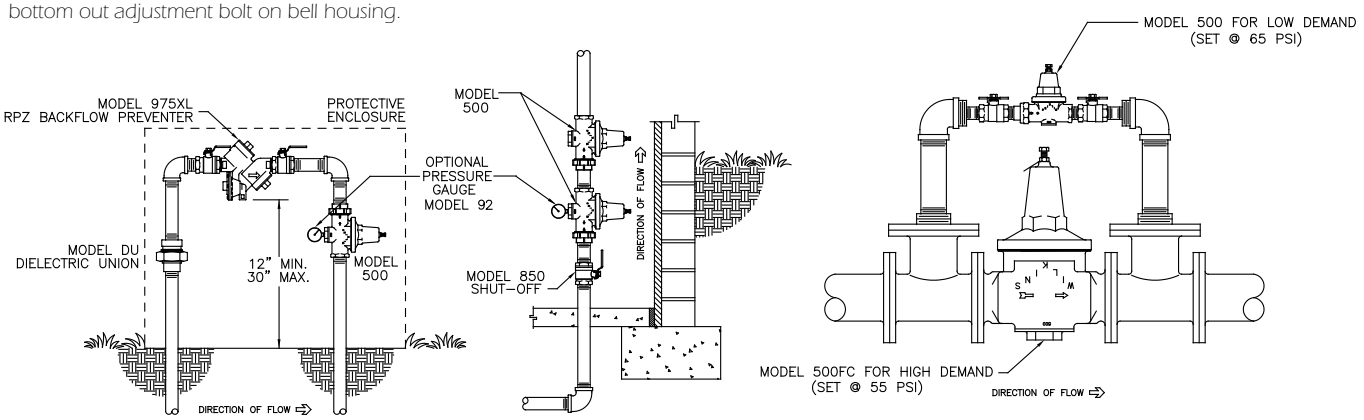
For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Accessories

- ❑ Pressure gauges (Model 92-25A 1/2", 3/4") (Model 92-25 1" – 3")

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. The assembly shall be installed with sufficient clearance for testing & maintenance. The Model 500 may be installed in any position. If installed in a pit, vault, or indoors, specify the "SC" sealed cage option. Multiple installations are recommended for wide demand variations or where the desired pressure reduction is more than 4 to 1 (ie: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing vale is adjusted, a pressure gauge (Model HGI-25) must be used downstream to verify correct pressure setting. Do not bottom out adjustment bolt on bell housing.



X Ref

WILKINS	WATTS	CONBRACO
500	223, N223B	36H
500HR	223HP, N223BHP	

Water Pressure Reducing Valves

500FC Flanged Series

Applications

For pressure reduction applications where flanges are used to connect the piping, the Wilkins 500FC fits the bill. The 500FC is available in 2", 2 1/2", and 3" sizes , and is equipped with 150 # flanges. Just like its threaded brethren, the 500FC is capable of reducing 300 psi down to any pressure between 10 – 125 psi with four distinct adjustment ranges. The 500FC is the perfect solution for reducing pressure in industrial, commercial, and large irrigation applications that demand a flanged regulator that exhibits high flow and low fall-off.

Features

- **2", 2 1/2", 3"**
- Pressure rated 300 psi
- Spring range 25 to 75 psi; field set
- Maximum temperature 180°F
- All bronze body and bell housing provides durability and long life
- Nylon reinforced Buna-N diaphragm
- Balanced piston design
- With ANSI B16.1, Class 125 commercial drilled flanged connections
- May be installed in any position
- All internal parts corrosion-resistant
- Serviceable in-line
- Built-in bypass (size 2" only)
- Available tapped and plugged for gauge (optional)
- Available tapped with gauge (optional)

Options

Model 510FC	Rated for 400 psi and spring range is 75-125, field set
Model 500FCBP	Supplied with plugs for low-flow by-pass (34-BR4DUBPK - sold separately)
Model 500FN	Navy drilled flange connections per MIL-P-3 class 1, made for salt water service
Model 500FCFSC	Supplied with an FDA approved epoxy coated wye strainer (2 1/2" – 3")
Model 500FCHR	Spring range is 75 – 125 psi, field set
Model 500FCHLR	Spring range is 10 – 125 psi, field set
Model 500FCHT	High temperature application, up to 210°F
Model 500FCL	Less built-in bypass (2")
Model 500FCLPV	Same as 500FCHT except spring range is 10 – 35 psi, factory set at 20 psi
Model 500FCLPC	Spring range is 10 – 35 psi, factory set at 20 psi
Model 500FCSW	Chrome internals for salt water service

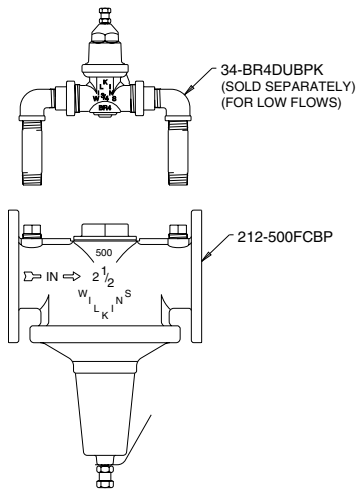
For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Accessories

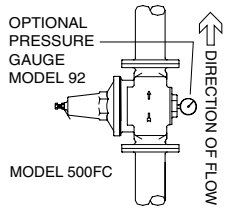
- ❑ (34-BR4DUBPK) 3/4" BR4 reducing valve by-pass kit for Model 500FCBP (Model BR4DUBPK)
- ❑ Pressure gauges (Model 92-25)

Typical Installation

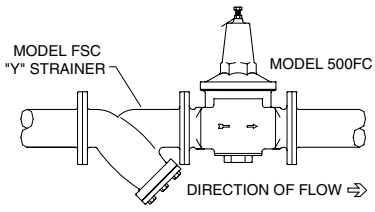
Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. The assembly shall be installed with sufficient side clearance for testing and maintenance. The Model 500FC may be installed in any position. If installed in a pit, vault, or indoors, specify the "SC" sealed cage option. Multiple installations are recommended for wide demand variations or where the desired pressure reduction is more than 4 to 1 (i.e.: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge (Model HGI-25) must be used downstream to verify correct pressure setting. Do not bottom out adjustment bolt on bell housing.



PARALLEL INSTALLATION



VERTICAL INSTALLATION



HORIZONTAL INSTALLATION

X Ref

WILKINS	WATTS
500FC	N223F 3" ONLY
500FCFS	N223FS 3" ONLY

Water Pressure Reducing Valves

500YSBR Series

Applications

The 500YSBR series pressure reducing valve with wye strainer rounds out the model 500 series offering. Combining the features and benefits of the model 500 with the protection offered by a wye strainer, the 500YSBR is ideal for reducing pressure on the incoming line to any commercial or industrial building. The model 500YSBR's high flow rate and low fall-off also make its use desirable in irrigation systems that are susceptible to damage from high pressure. The provided "S" strainer protects downstream equipment from suffering the deleterious effects of sand or debris found in many municipal water lines.

Features

- **1/2", 3/4", 1", 1¼", 1½", 2", 2½", 3"**
- Pressure rated 300 psi
- Spring range 25 to 75 psi; factory set at 50 psi
- Field set 2½" – 3"
- Maximum temperature 180°F
- All bronze body and bell housing provides durability and long life
- Built-in by-pass prevents buildup of excessive system pressure caused by thermal expansion (1/2" – 2")
- Includes in-line bronze wye type strainer with 20 mesh stainless steel screen & pipe nipple
- Nylon reinforced Buna-N diaphragm
- Balanced piston design
- May be installed in any position
- All internal parts corrosion-resistant
- Serviceable in-line
- Available tapped and plugged for gauge (optional)
- Available tapped with gauge (optional)
- Available with BSP threads 1/2" through 2" (optional)
- ASSE® Listed 1003 (1/2"-2½"), IAPMO® Listed (1/2"-2"), CSA® Certified (1/2"-2"), City of Los Angeles (1/2"-3")

Options

Model 500YSBR	Union end connection standard and available 1/2" through 2" in FNPT
Model 500HRYSBR	Spring range is 75-125 psi, factory set at 85 psi; field set 2½" – 3"
Model 510YSBR	Rated for 400 psi inlet and spring range is 75-125 psi, factory set at 85 psi; field set 2½" – 3"
Model 510YSBRSC	Sealed cage bell and stainless steel adjusting screw. For meter box, below-ground, and indoor applications
Model 500YSBRHLR	Spring range is 10 – 125 psi, factory set at 50 psi; field set 2½" – 3"
Model 500YSBRHT	For high temperature application, up to 210°F
Model 500YSBRL	Less built-in bypass
Model 500YSBRLPV	Same as 500YSBRHT except spring range is 10 – 35 psi, factory set at 20 psi
Model 500YSBRLPC	Spring range is 10 – 35 psi, factory set at 20 psi
Model 500YSBRSW	Chrome internals for salt water service
Model 500XLYSBR	California AB 1953 compliant

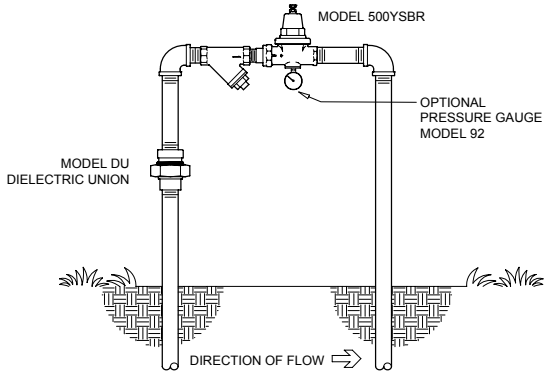
For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Accessories

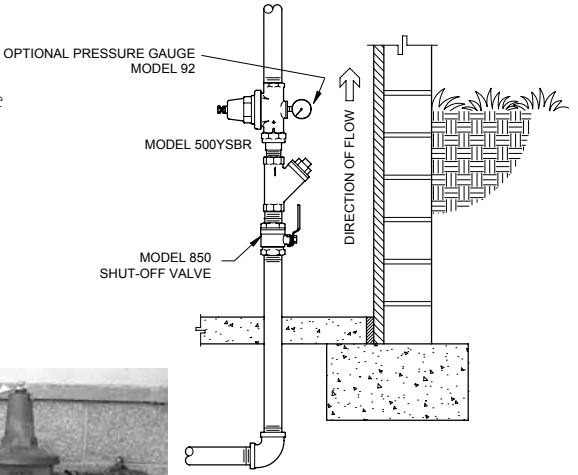
❑ Pressure gauges (Model 92-25A 1/2", 3/4") (Model 92-25 1" – 3")

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. The assembly shall be installed with sufficient side clearance for testing and maintenance. The Model 500YSBR may be installed in any position. If installed in a pit, vault, or indoors, specify the "SC" sealed cage option. Multiple installations are recommend for wide demand variations or where the desired pressure reduction is more than 4 to 1 (ie: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge (Model HGI-25) must be used downstream to verify correct pressure setting. Do not bottom out adjustment bolt on bell housing.



HORIZONTAL INSTALLATION



VERTICAL INSTALLATION

Water Pressure Reducing Valves

600 Series

Applications

Many water pressure reduction applications involve water that has a high concentration of sand. Sandy water results in frequent integral strainer cleaning. The model 600 is just the regulator for these applications. The model 600 has its strainer accessible through a separate cap. Unlike other regulator designs that require disassembly of the valve, the model 600's screen is accessed by the removal of a single cap. This will drastically reduce the time needed to clean the strainer screen. Just like the 500 series, the 600 is also equipped with a union inlet connection and a female NPT outlet connection.

Features

- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Pressure rated 300 psi
- Spring range 25 to 75 psi; factory set at 50 psi
- Maximum temperature 180°F
- All bronze body and bell housing provides durability and long life
- Built-in by-pass prevents buildup of excessive system pressure caused by thermal expansion
- Integral stainless steel strainer with separate access cover
- Nylon reinforced Buna-N diaphragm
- Balanced piston design
- May be installed in any position
- All internal parts corrosion-resistant
- Serviceable in-line
- Available tapped and plugged for gauge (optional)
- Available tapped with gauge (optional)
- Available with BSP threads 1/2" through 2" (optional)
- ASSE® Listed 1003, IAPMO® Listed, CSA® Certified, City of Los Angeles

Options

Model 600	Union end connection standard and available 1/2" through 2" in FNPT
Model 600C	Union end connection standard, available 1/2" through 2" female copper sweat
Model 600L	Less built-in by-pass
Model 600HR	Spring range is 75 – 125 psi, factory set at 85 psi
Model 600HLR	Spring range is 10 – 125 psi, factory set at 50 psi
Model 600LU	Less union; female by female NPT
Model 600HT	For high temperature application not to exceed 210°F
Model 600CH	Chrome internals for harsh water conditions
Model 600LPV	Same as 600HT except spring range is 10 – 35 psi, factory set at 20 psi
Model 600LPC	Spring range is 10 to 35 psi, factory set at 20 psi (2" must be field set only)
Model 610	Same as 600HR except rated for 400 psi and spring range is 75 – 125 psi, factory set at 85 psi
Model 600SC	Sealed cage bell and stainless steel adjusting screw. For below-ground and indoor applications
Model 600DM	Double male meter thread, no union included (1" National Hose Thread, fits 5/8" x 3/4" and 3/4" water meter)
Model 600XL	California AB 1953 compliant

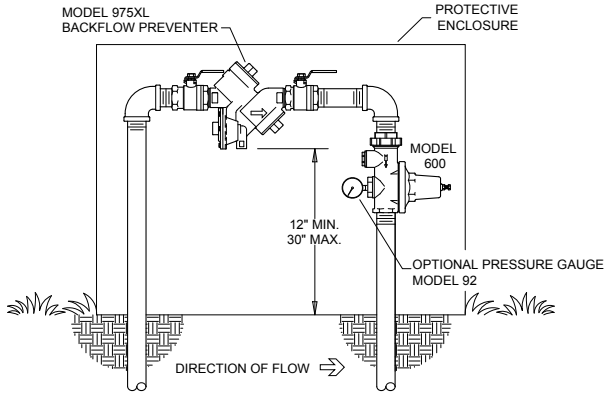
For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Accessories

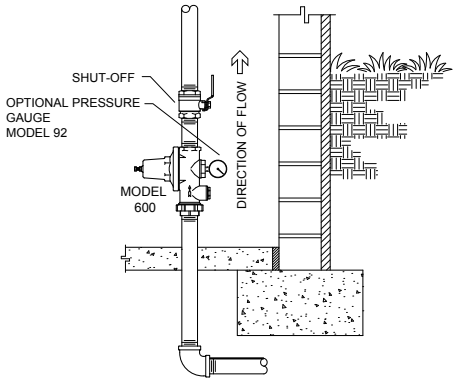
- ❑ Pressure gauges (Model 92-25A 1/2", 3/4") (Model 92-25 1" – 2")

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the latest edition of the Uniform Plumbing Code. The Model 600 may be installed in any position. If installed in a pit, vault or indoors, specify the "SC" sealed cage option. Multiple installations are recommend for wide demand variations or where the desired pressure reduction is more than 4 to 1 (i.e.: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge (Model HGI-25) must be used downstream to verify correct pressure setting. Do not bottom out adjustment bolt on bell housing.



OUTDOOR INSTALLATION



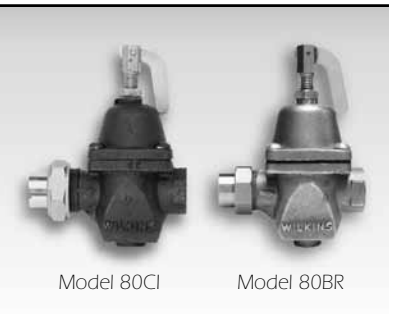
VERTICAL INSTALLATION

X Ref

WILKINS	WATTS	CASH-ACME
600	U5B, 25AUB	EB-24U
600L	U5	E-3

Water Pressure Reducing Valves

80CI and 80BR Series



Applications

The Wilkins Model 80CI and 80BR are designed to reduce pressure on boiler feed lines in hydronic heating systems. Equipped with a quick fill / purge lever, the Model 80CI and 80BR allow high capacity feeding to the boiler when commissioning the boiler for the heating season. The quick fill / purge lever also allows the purging of air from the boiler relief valve prior to start up. A built-in check valve prevents reverse flow of the boiler water into the feed line.

Features

- **1/2"**
- Maximum working water pressure 100 psi
- Maximum working water temperature 210°F
- Reduced pressure range 10 psi to 25 psi
- Factory preset 15 psi
- Threaded connections ANSI B1.20.1
- Copper connections (FC) ANSI B16.22
- Standard with 20 mesh strainer screen

Options

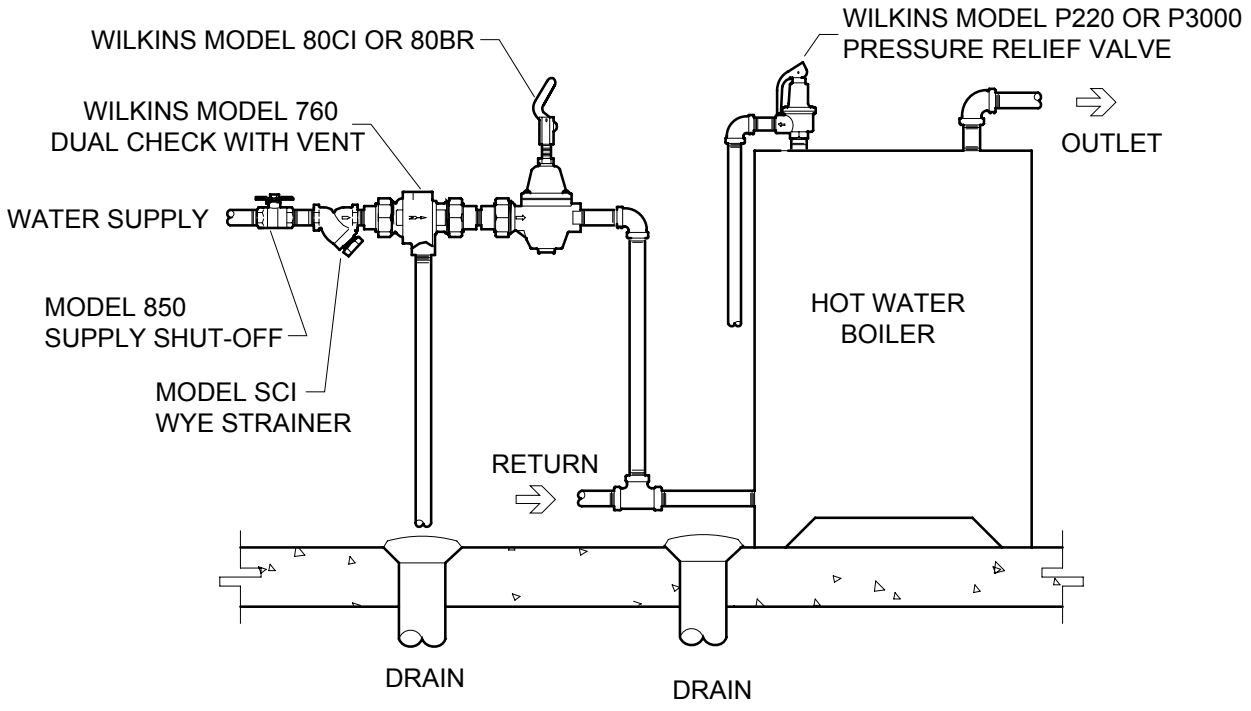
Model 80CI	Cast iron body and bell, FNPT end connections
Model 80CIC	Cast iron body and female copper sweat
Model 80BR	Bronze body and bell, FNPT end connections
Model 80BRC	Bronze body and female copper sweat

For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Accessories

- ❑ HXT - hydronic expansion tank

Typical Installation



X Ref

WILKINS	WATTS	CONBRACO	CASH-ACME
80	TB1156F	35-503-01	
80C	SB1156F	35-703-01	A-43CRF
80LU	B1156F	35-603-01	A-43RF
80CI	T1156F		
80CIC	S1156F		A-89C

Water Pressure Reducing Valves

876 Series

Applications

The Wilkins 876 series is a combination of the Model 80CI or 80BR boiler feed pressure reducing valve and a 760 dual check with intermediate atmospheric vent. Designed to reduce pressure on boiler feed lines, the 876 also prevents polluted water from entering the boiler feed line due to backpressure or backsiphonage. Although the 876 handles two problems at once, its pre-assembled construction eases installation, thereby saving the installer time and money.

Features

- **1/2"**
- Model 80BR fast fill regulator combined with Model 760 dual check backflow preventer with atmospheric vent
- All bronze body construction
- Maximum temperature 210°F
- Maximum emergency backflow temperature 250°F
- Model 80 outlet pressure 10 to 25 psi, factory set at 15 psi
- Available in copper or FNPT inlet connection
- ASSE Listed 1012, CSA Certified (Model 760)

Options

Model 876 Model 80BR fast fill regulator combined with Model 760 dual check backflow preventer with atmospheric vent

Model 876CI Model 80CI (cast iron) fast fill regulator combined with Model 760 dual check backflow preventer with atmospheric vent

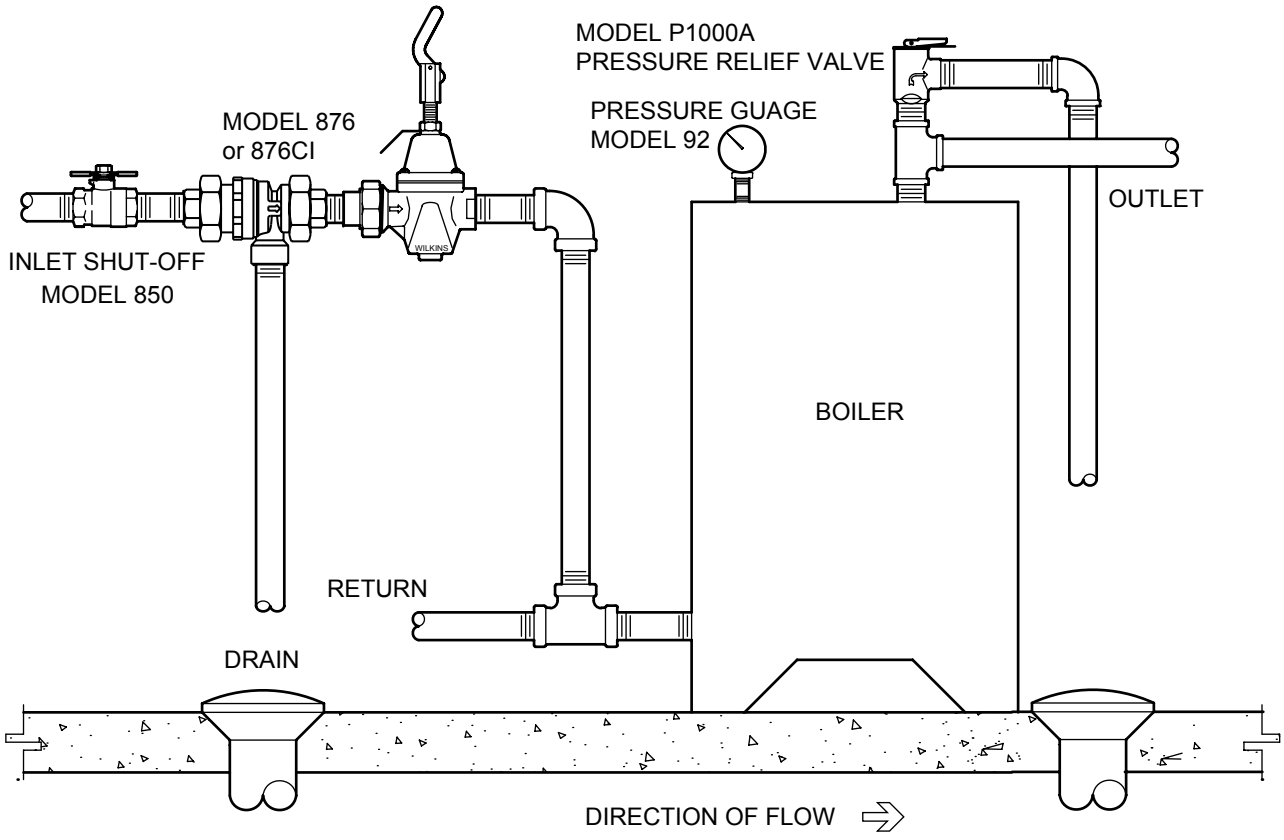
For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Accessories

- ❑ HXT - Hydronic expansion tank
- ❑ TP1100A - Temperature & pressure relief valve
- ❑ P1000A - Pressure relief valve

Typical Installation

Under certain conditions, The Model 760 will spill water from the vent port. WARNING: Provisions must be made to collect this spillage through an air gap or other means. The vent port should never be directly piped into a drainage ditch, sewer or pump. Under no circumstances should the vent port or drain line be plugged. Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' installation instructions and the latest edition of the Uniform Plumbing Code. The installation shall be made so that no part of the unit can be submerged.



Water Pressure Reducing Valves

90 Series

Applications

The 90 series pressure reducing valves are the perfect choice for reducing pressure in drip irrigation applications. Its balanced piston design makes this regulator smooth and highly responsive. Further, the 0 - 50 psi adjustment range, with very precise control, lends itself very well to those drip systems that demand precise pressure control in order to maintain system longevity. Available in 3/4" and 1" sizes, the Model 90 is also ideal for use in the poultry industry for controlling pressure to watering stations.

Features

- **3/4", 1"**
- Pressure rated 300 psi
- Spring range 0 to 50 psi; factory set at 30 psi
- Maximum temperature 180°F
- All bronze body and bell housing provides durability and long life
- Integral stainless steel strainer
- Nylon reinforced Buna-N diaphragm
- Balanced piston design
- May be installed in any position
- All internal parts corrosion-resistant
- Serviceable in-line
- Available with BSP threads (optional)

Options

Model 90 Union end connection standard and available copper sweat or FNPT end connections

Model 90LU Less union

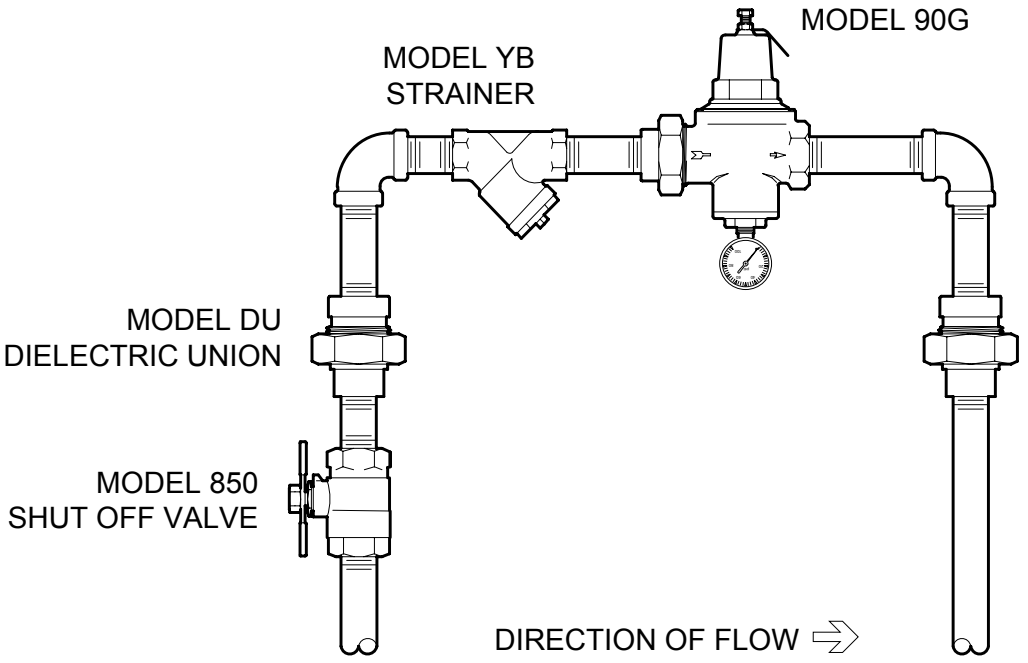
Model 90G Supplied with pressure gauge (Model 92-25)

Model 90P Supplied tapped with plug for pressure gauge

For Additional Information, including flow curves, reference WK-RC catalog or visit our web site.

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. The assembly shall be installed with sufficient side clearance for testing and maintenance. The Model 90 may be installed in any position. Multiple installations are recommend for wide demand variations or where the desired pressure reduction is more than 4 to 1 (ie: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge (Model HGI-25) must be used downstream to verify correct pressure setting. Do not bottom out adjustment bolt on bell housing.

Typical Installation

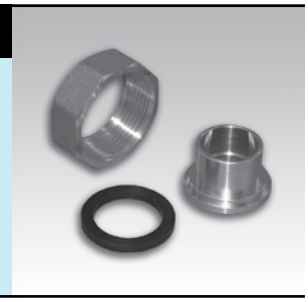


X Ref

WILKINS	WATTS
90LU	123LP

Water Pressure Reducing Valves Accessories

Tailpiece Kits TPK Series



Applications

Tailpiece Kits (TPK) are accessories for water pressure reducing valves. These kits are comprised of a cast brass union nut (ASTM B584), a EPDM gasket and a specific type of tailpiece for direct connection to specific types of piping. Tailpiece kits are available for connection to FNPT, MNPT, female copper SWT, male copper SWT, PEX (male barb), CPVC and compression (male) piping systems. A valve may utilize two different tailpiece kits for connection to two dissimilar piping systems. An example of this scenario is having copper sweat piping on the valve inlet and PEX piping on the outlet. By using a TPKC on the inlet and a TPKPEX on the outlet, the valve will bridge the dissimilar piping systems.

Features

TPK
- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Female NPT Tailpiece
- EPDM gasket
- Brass tailpiece
- Cast brass union nut

TPKM
- **3/4", 1"**
- Male NPT Tailpiece
- EPDM gasket
- Brass tailpiece
- Cast brass union nut

TPKC
- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Female Copper Sweat Tailpiece
- EPDM gasket
- Brass tailpiece
- Cast brass union nut

TPKCM
- **3/4", 1"**
- Male Copper Sweat Tailpiece
- EPDM gasket
- Brass tailpiece
- Cast brass union nut

TPKPEX
- **1/2", 3/4", 1"**
- Male barb connection tailpiece for cross-linked polyethylene (PEX) tubing
- EPDM gasket
- Brass tailpiece
- Cast brass union nut
- 1/2" PEX available NR3, BR4 only

TPKCPVC
- **3/4", 1"**
- Female CPVC Tailpiece
- EPDM gasket
- CPVC tailpiece
- Cast brass union nut

TPKCOMP
- **3/8"**
- Male compression fitting with ferrule ring and compression nut
- EPDM gasket
- Brass tailpiece and accessories

Options

- Cast brass union nut - ASTM B584

Model BSPT British Standard Pipe "tapered" threads available.

Model BSPS British Standard Pipe "straight" threads available.

Water Pressure Reducing Valves Accessories

Spacer Nipple Kits for Double Union 70, BR4, NR3 and NR3XL Models SPK Series

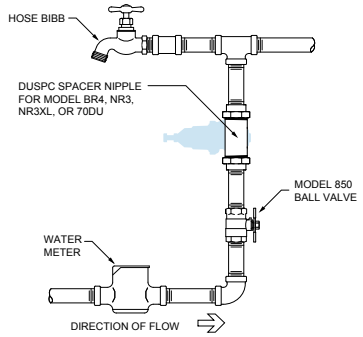
Applications

Designed for installation on potable water systems as a temporary spacer prior to installation of the Model BR4, Model NR3, NR3XL, or Model 70DU water pressure reducing valves. Allows system to be inspected for leaks. Further, the spacer nipple will prevent water regulator theft during construction, eliminate tampering with the pressure regulator, and allow testing of the plumbing system at full line pressure. Stainless steel screen provides protection against sediment and debris.

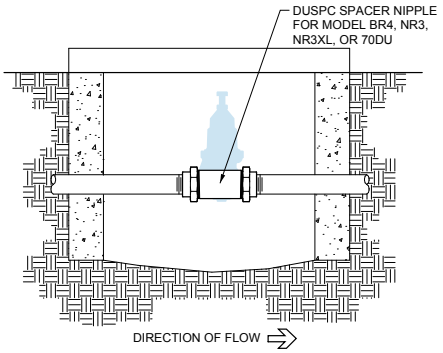
Features

- **3/4", 1, 1 1/4", 1 1/2", 2"**
- Spacer nipple kit consists of spacer nipple, two union nuts, two tail-pieces, one union gasket, and one in-line strainer screen

For Additional Information, Ask For REG-DUSPC or visit our web site.



OUTDOOR INSTALLATION



PIT INSTALLATION

PART NO.	FITS MODEL
34-70DUSPC	3/4" 70DU
34-BR4DUSPC	1/2" & 3/4" BR4
1-70DUSPC	1" 70DU, BR4 &NR3
114-70DUSPC	1-1/4" 70DU
114-BR4DUSPC	1-1/4" BR4 & NR3
112-BR4DUSPC	1-1/2" BR4
112-NR3DUSPC	1-1/2" NR3
112-70DUSPC	1-1/2" 70DU
2-BR4DUSPC	2" BR4
2-NR3DUSPC	2" NR3
2-70DUSPC	2" 70DU

Pressure Gauges Model HGI-25 Hose Bibb and Model 92-25 and 92-25A Pressure Gauge

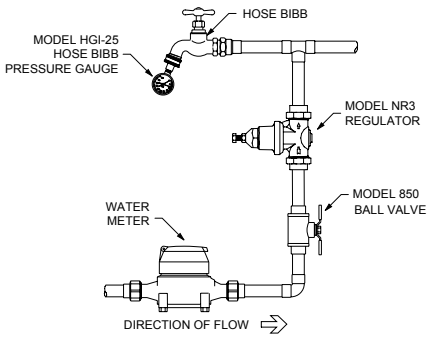
Applications

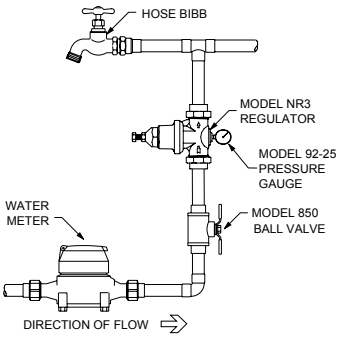
The Model HGI-25 is designed for measuring water system pressure from any hose bibb or water heater drain valve. The indicator needle identifies the highest pressure reached within the system which is ideal for registering maximum system pressure caused by thermal expansion or pressure spikes. The maximum pressure indicator needle can be reset by turning the external knob counter clockwise. The Model 92-25 & 92-25A are designed for accurately measuring system pressure downstream of a pressure reducing valve. The pressure gauge can be threaded directly to all Wilkins pressure reducing valves supplied with tapped or plugged option. For water service only.

Features

- **3/4" hose (Model HGI-25)**
- Dial size 2"
- Indicator needle identifies the highest pressure
- Range: 0 – 200 psi; minimum 2 psi graduation
- 3/4" hose adaptor
- Knurled for easy tightening on hose bibb
- Sold in convenient pegboard packaging
- **1/8" NPT (Model 92-25A), 1/4" NPT (Model 92-25)**
- Dial size 2"
- Range 0 – 100 psi; minimum 2 psi graduation
- Steel black case
- Copper alloy bourdon tube
- Specify part no. 92-25 (1/4" NPT); 92-25A (1/8" NPT)

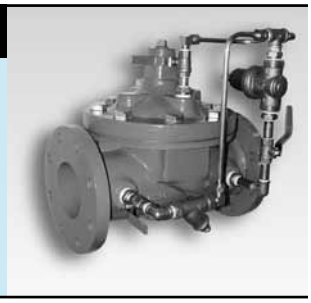
Typical Installation





Automatic Control Valves

Pressure Reducing Valve – ZW109



Applications

In pressure reduction applications where high flow rates and/or constant downstream pressure are required, the ZW109 is up to the task. The ZW109 is a pilot operated pressure reducing valve designed to reduce downstream pressure to a constant value, regardless of flow rate or inlet pressure fluctuations. The ZW109 is ideal for commercial, industrial, and irrigation applications that cannot tolerate the changes in pressure associated with direct acting pressure reducing valves.

Features

- **1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 6", 8", 10", 12"**
- Standard spring range 15 to 150 psi, contact factory for other spring range options
- Normally-open, direct-acting, diaphragm actuated, spring-loaded pilots adjustable within a 10:1 ratio
- Ductile iron body and bonnet ASTM-A536 epoxy coated. Bronze (ASTM B62) trim and pilots (standard)
- Single seated, diaphragm actuated, hydraulically operated, pilot controlled
- Maximum temperature 180°F
- Pressure rated Class 150 250 psi max
  Class 300 400 psi max
  Threaded 400 psi max
- Globe configuration standard
- Angle configuration available (specify when ordering)

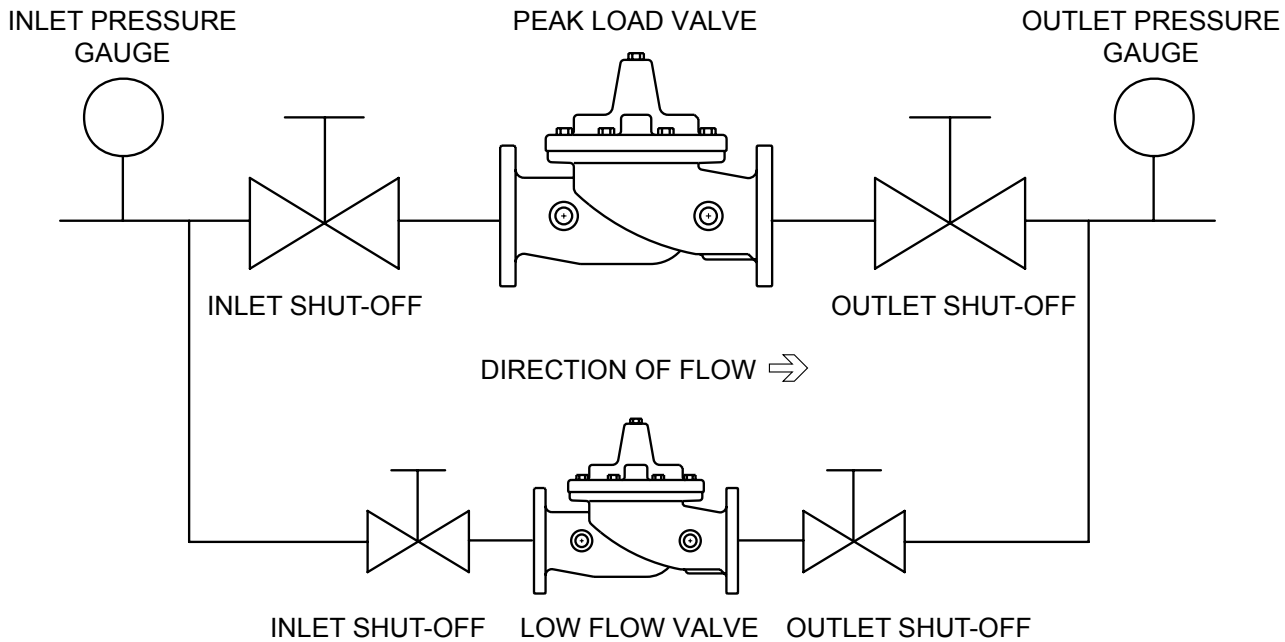
Options

Model ZW109	150 lb flange
Model ZW109BP	Supplied with a low flow by-pass
Model ZW109Y	300 lb flange (2" – 12")
Model ZW109G	Grooved (2 1/2" – 8")
Model ZW109TH	Threaded (1 1/4" – 3" only)
Model ZW109E	Pressure reducing valve with solenoid shut off valve
Model ZW109Q	Pressure reducing and surge control valve

For Additional Information, reference WK-ACV catalog or visit our web site.

Typical Installation

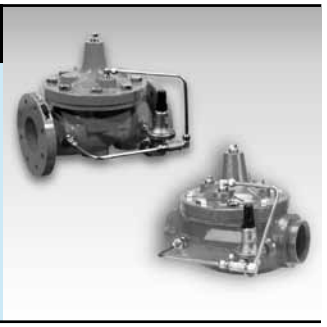
Typical pressure reducing valve station using two Model ZW109 in parallel to handle a wide range of flow rates. Larger Model ZW109 valves takes care of peak loads and smaller Model ZW109 handles low flows.



Refer to Order Form on Web site

Automatic Control Valves

Fire Protection Pressure Reducing Valve – ZW109FP



Applications

Fire protection systems are required to have the pressure reduced to a value below 165 psi, Therefore, the pressure within a fire protection system must be tightly controlled. The ZW109FP is designed to handle this very application. The ZW109FP is a pilot operated pressure reducing valve made specifically for the demands of a fire protection system. Designed to hold downstream pressure constant, regardless of flow rate or inlet pressure fluctuations, the ZW109FP will accept 300 psi on the inlet and adjust from 30 to 165 psi on the outlet. The ZW109FP is furnished standard with 300# flanges, but also available in grooved and 150# flange connections.

Features

- **1 1/2", 2", 2 1/2", 3", 4", 6", 8", 10"**
- Pilot control system consists of a two-way, normally open, direct-acting, adjustable spring-loaded diaphragm actuated pressure reducing pilot
- Inlet pressure 300 psi maximum (class 300 flange)(UL rating)
- Pilot control is field adjustable from 30 psi to 165 psi
- Corrosion-resistant seat and resilient, rectangular seat disk
- Globe or angle configurations available, (globe 1 1/2" – 3" threaded ends, 1 1/2" – 6" flanged ends). (angle 1 1/2" - 3" threaded ends, 2" – 6" flanged ends)
- Epoxy coated ductile iron body with flow clean strainer (1 1/2" – 3") or wye type strainer (4" – 10")

Options

Model ZW109FP 300 lb class flange (1 1/2" – 6")

Model ZW109FPX 150 lb flange (1 1/2" – 8")

Model ZW109FPG Grooved connections (1 1/2", 2", 2 1/2", 3", 4", 6", 8")

Model ZW109FPTH Threaded (1 1/2" – 3" only)

For Additional Information, reference WK-ACV catalog or visit our web site.

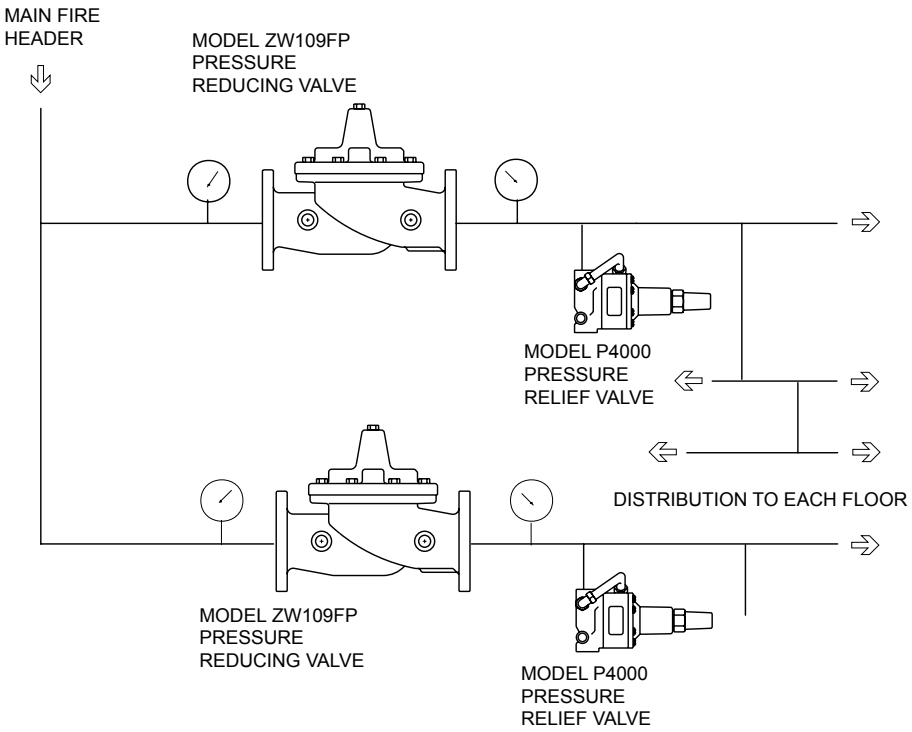
Typical Installation

Underwriters Laboratories requires the installation of pressure gauges upstream and downstream of the pressure reducing valve. Also, a relief valve of not less than 1/2" in size must be installed on the downstream side of the pressure control valve. Adequate drainage for the relief valve discharge must be provided.

UL INSTALLATION SPECIFICATIONS REQUIREMENTS

The valve is to be installed in accordance with the standard for installation of sprinkler systems, NFPA 13. The valve is to be inspected, tested and maintained in accordance with the standard for the inspection, testing and maintenance of water-based fire protection systems, NFPA 25.

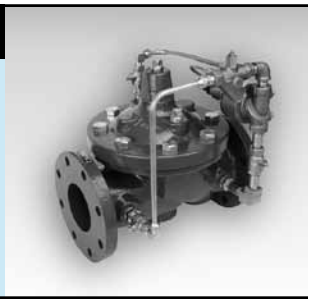
SIZE	DUCTILE IRON 150# FLANGE	DUCTILE IRON 300# FLANGE	DUCTILE IRON 300# THREADED	DUCTILE IRON GLOBE GROOVE	DUCTILE IRON ANGLE GROOVE
1-1/2"	UL / ULC	UL	UL / ULC	UL	
2"	UL / ULC	UL / ULC	UL / ULC	UL	UL
2-1/2"	UL / ULC	UL / ULC	ULC	UL	
3"	UL / ULC	UL / ULC	UL / ULC	UL	UL
4"	UL / ULC	UL / ULC		UL	UL
6"	UL / ULC	UL / ULC		UL	
8"	UL / ULC	UL / ULC		UL	
10"	ULC	ULC			



Refer to Order Form on Web site

Automatic Control Valves

Pressure Relief, Pressure Sustaining Valve – ZW105



Applications

When high capacity pressure relief is called for, the ZW105 will answer the calling. The ZW105 is a hydraulically operated, pilot controlled relief valve that maintains a constant upstream pressure. When used on a branch line, the ZW105 provides relieving service in applications such as a pump by-pass. When installed in-line, the ZW105 serves as a pressure sustaining valve, thereby maintaining upstream pressure. Standard with 150# flanges, the ZW105 will accept 250 psi on the inlet while providing an adjustment range of 20 to 200 psi.

Features

- **1¼", 1½", 2", 2½", 3", 4", 6", 8", 10", 12"**
- When used in a by-pass line, the Model ZW105 functions as a relief valve protecting against potentially damaging surges
- Normally-closed, direct-acting, spring-loaded pilots available preset to the particular pressure requirements of the system
- Ductile iron body and bonnet ASTM-A536 epoxy coated. Bronze (ASTM B62) trim and pilots (standard)
- Single seated, diaphragm actuated, hydraulically operated, pilot controlled
- Maximum temperature 180°F
- Pressure rated Class 150 250 psi max
  Class 300 400 psi max
  Threaded 400 psi max
- Globe or angle configurations available (specify when ordering)

Options

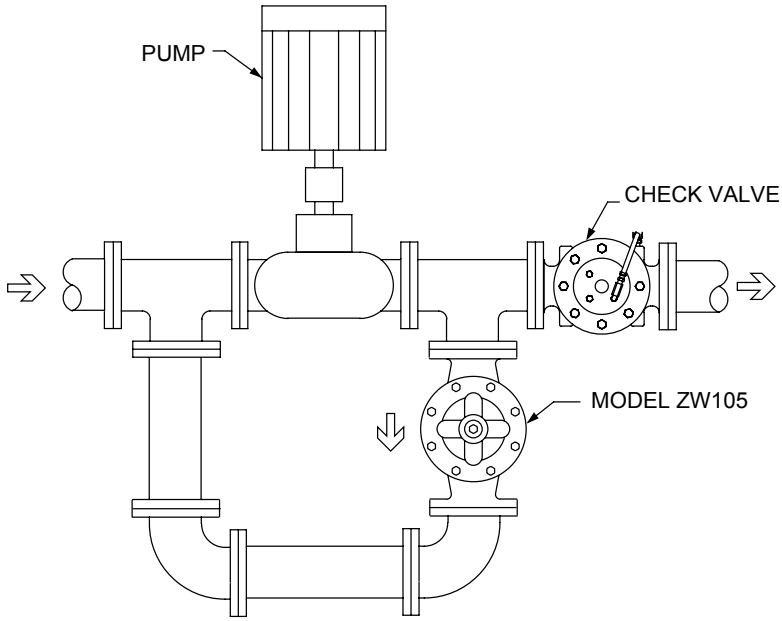
Model ZW105 150 lb flange (1½" – 12")
Model ZW105Y 300 lb flange (2" – 12")
Model ZW105G Grooved (1½" – 8")
Model ZW105TH Threaded (1¼" – 3" only)

For Additional Information, reference WK-ACV catalog or visit our web site.

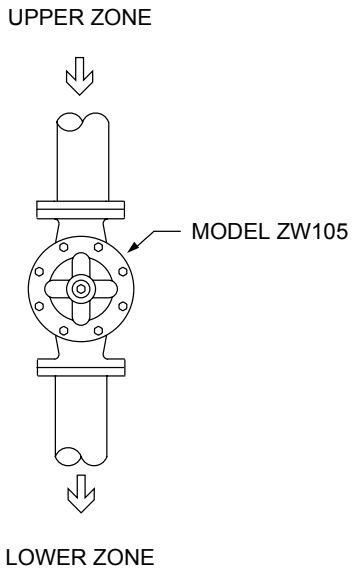
Pressure Relief Service - To provide protection for the system against high pressure surges when pumps are shut down, this fast opening - slow closing relief valve dissipates the excess pressure.

Pressure Sustaining Service - When installed in a line between an upper zone and a lower area of heavy demand, the valve acts to maintain desired upstream pressure to prevent "robbing" of the upper zone by the heavy demand in the lower zone. This valve senses the upstream pressure. Water in excess of pressure setting flows to area of heavy demand; control is smooth, and pressure regulation is positive.

Typical Installation



PRESSURE RELIEF SERVICE

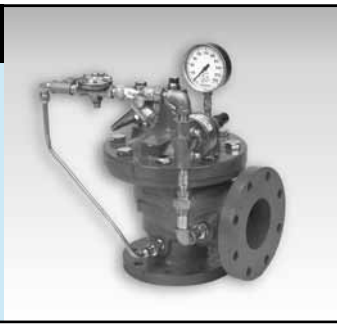


PRESSURE SUSTAINING SERVICE

Refer to Order Form on Web site

Automatic Control Valves

Fire Protection Pressure Relief Valve – ZW105FP



Applications

Fire protection systems are susceptible to severe damage if an over-pressure situation were to occur. To prevent over-pressure due to dead-heading of the pump, a high capacity pressure relief valve is necessary. This is where the ZW105FP steps up to the plate. Like its domestic counterpart, the ZW105, the ZW105FP is built to handle the rigors of fire protection duty. Furnished standard with 150# flanges, the ZW105FP can accept up to 250 psi on the inlet and is provided with a standard 20 – 200 psi adjustment range. The ZW105FP is a fast-reacting valve that opens to relieve excess pump pressure when the demand on the fire protection system slows or ceases, allowing the pump to be stopped without resulting line pressure surges.

Features

- **2", $2^{1}/_{2}$", 3", 4", 6", 8", 10"**
- Ductile iron body and bonnet ASTM-A536 epoxy coated, stainless steel (type 303) stem, spring and bronze trim (ASTM B62).
- Pressure Rated 150 class 250 psi max.,
  300 class 300 psi, threaded 400 psi
- Isolation valves (sizes 4" – 8")
- Strainer and needle valve
- Epoxy coated
- Globe flanged ends 3" through 8"
- Angle flanged ends 3" through 8"
- Temperature rating water 33°F to 180°F
- Pilot spring ranges 20 to 200 psi (150 class standard)
  100 to 300 psi (300 class)
- UL® Listed, ULC® Listed and FM® Approved

Options

Model ZW105FP 150 lb class flanges (inlet rating 175 psi)
Model ZW105FPY 300 lb flange
Model ZW105FPTH Threaded (2" – 3" only)

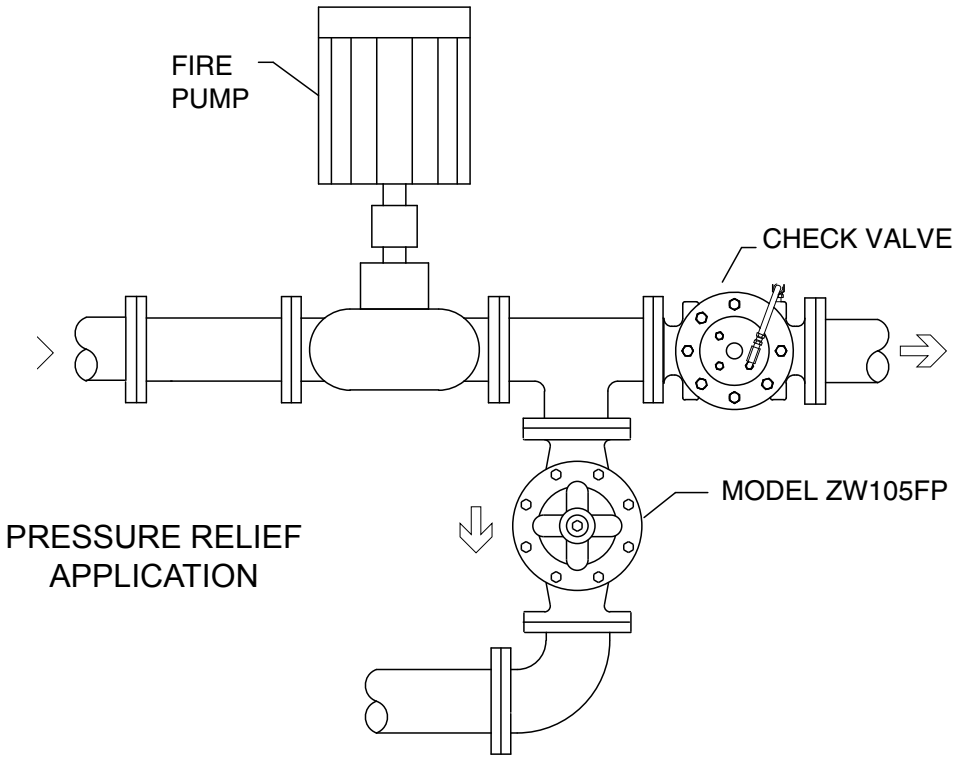
For Additional Information, reference WK-ACV catalog or visit our web site.

At pump start, the relief valve modulates to relieve excess pump capacity, maintaining positive system pressure at the pump discharge.

When fire demand slows or ceases, the Model ZW105FP opens, diverting entire pump output to discharge, allowing the fire pump to be stopped without causing surging in the lines.

(Please note that if the Model ZW105FP is to be used on a continuous duty basis to maintain fire-system pressure, suitable back pressure must be provided on the valve to prevent cavitation damage. (consult the Wilkins for details.)

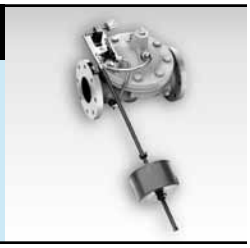
Typical Installation



Refer to Order Form on Web site

Automatic Control Valves

Float Valve – ZW104



Level control in tanks can be accomplished in many ways. One of the best ways is through the use of a pilot controlled, non-modulating float valve such as the ZW104. The ZW104 will fully open when the tank's liquid level falls to a predetermined point. When the tank reaches the high set point, the ZW104 will close drip tight and remain closed until the minimum set point is again reached.

Applications

Features

- **1¼", 1½", 2", 2½", 3", 4", 6", 8", 10"**
- On/off type valve that opens fully at a low set point and closes tightly at a high set point
- Ductile iron body and bonnet ASTM-A536 epoxy coated. Bronze (ASTM B62) trim
- Diaphragm actuated, hydraulically operated, float controlled
- Stainless steel float and rod available. Single seated, diaphragm actuated, hydraulically operated, pilot controlled
- Maximum temperature 180°F
- Pressure rated 150 class, 250 psi max
  300 class 300 psi, threaded, 400 psi
- Globe or angle configurations available (specify when ordering)

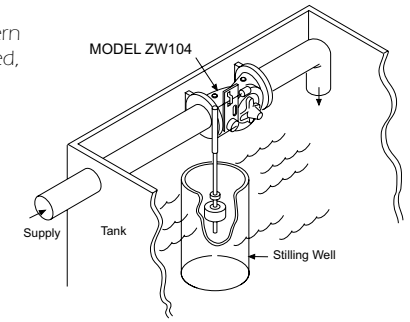
Options

Model ZW104 150 lb. flange (1½" – 10")
Model ZW104Y 300 lb. flange (2" – 10")
Model ZW104TH Threaded (1¼" – 3")
Model ZW104G Grooved (1½" – 8")

For Additional Information, reference WK-ACV catalog or visit our web site.

Typical Installation

The Model ZW104 float valve is commonly mounted above the high water level in a tank. Globe pattern valves are supplied standard with the float control mounted on the right side of the cover as illustrated, with a horizontal discharge. Angle valves are configured to discharge downward.



Solenoid Control Valve – ZW106

The ZW106 is a pilot operated solenoid valve that either opens or closes upon receiving an electrical signal. The ZW106 is a perfect valve to use with the Wilkins 375MS and EST. In this application, the ZW106 is used to stop water flow should the relief valve of the backflow prevention assembly begin to discharge. Not limited to this application, the ZW106 can be used anytime it is advantageous to open or close a line electrically rather than mechanically. The ZW106 can be equipped in either a normally open (energize to close) or a normally closed (energize to open) configuration.

Applications

Features

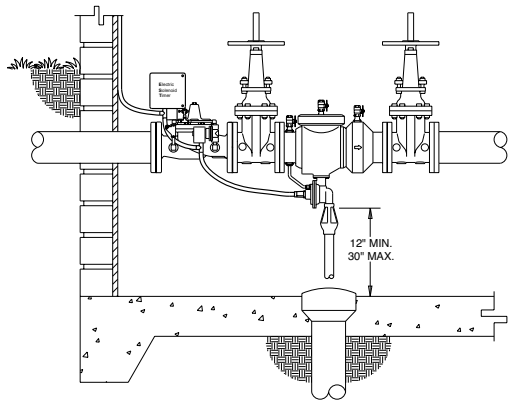
- **1¼", 1½", 2", 2½", 3", 4", 6", 8", 10"**
- On/off type valve that either opens or closes upon receiving an electrical signal to the solenoid pilot control
- Valve is furnished either normally open (energized solenoid to close) or normally closed (energize solenoid to open)
- Ductile iron body and bonnet ASTM-A536 epoxy coated. Bronze (ASTM B62) trim and pilots
- Single seated, diaphragm actuated, hydraulically operated, electrically-actuated pilot controlled
- Maximum temperature 180°F
- Pressure rated 150 class 250 psi max
  300 class 300 psi, threaded 400 psi
- Globe or angle configurations available (specify when ordering)

Options

Model ZW106 150 lb. flange (½" – 10")
Model ZW106TH Threaded (1¼" – 3)
Model ZW106G Grooved (1½" – 8")
Model ZW106Y 300 lb flange (2" – 10")

For Additional Information, reference WK-ACV catalog or visit our web site.

Typical Installation

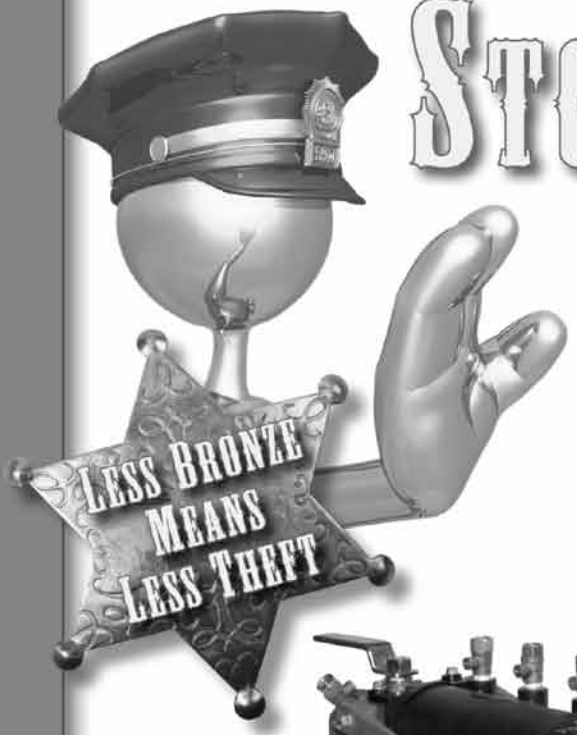


Model EST Application

Refer to Order Form on Web site

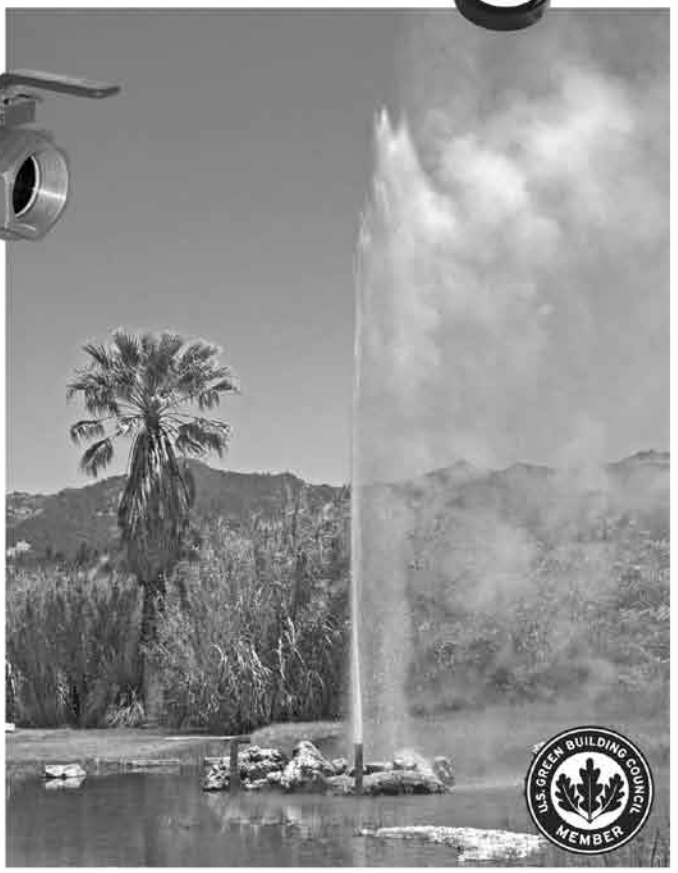
Have you seen the news lately?

STOP COPPER THEFT!



2" Model 375
Reduced Pressure Principle Assembly
*Shown with Optional Air Gap Drain

2" Model 350
Double Check Assembly



All across the country, backflow preventers are being stolen for their scrap value. The street value is minimal compared to an all bronze body backflow preventer. The Wilkins model 350 & 375 entire housing is composite material using upwards of 30% less bronze than comparable backflow preventers. Additionally, their simple design enables easy winterizing by removing wetted components between shutoff valves and check access for cleaning or repair. The composite housing and check modules resist corrosion and extend the life of your backflow preventer.

Insist on the Wilkins Model 350/375 on your next replacement or installation.

Sizes available: 3/4", 1", 1 1/4", 1 1/2" & 2"

Customer Service Representatives available Monday through Friday
5:30 am to 5:00 pm PST • Call: 877-222-5356 or 805-226-6297
info@zurnwilkins.com or visit us online at www.zurn.com

ZURN®
WILKINS

Tech Support: 855-ONE-ZURN
www.zurn.com

Backflow Preventers

Double Check Valve Assembly Model 350

Applications

The Wilkins model 350 double check valve assembly, with its revolutionary removable pressure vessel, is designed to protect against backpressure and backsiphonage of polluted water into the potable water supply. In addition to the removable pressure vessel, the 350 series offers low head loss, short lay length, and top mounted test cocks resulting in superior valve box installation flexibility. The removable pressure vessel allows for the most rapid repair of any valve in the Backflow Preventer marketplace. The blow-out, flush fitting greatly simplifies start-up flushing and winterization blow-outs (where needed). The 350 is designed for applications where a health hazard does not exist, and is suitable for use in residential, commercial, industrial, and irrigation applications where a double check valve assembly is called for.

Features

- **3/4", 1", 1 1/4", 1 1/2", 2"**
- Short lay length – fits in smaller valve box
- Top access to test cocks and shutoff valves and check assembly – easy to test
- Entire pressure vessel is removable to facilitate check access for cleaning or repair
- Test cocks are provided with threaded caps
- Easy to winterize by removing pressure vessel between shutoff valves
- Plastic pressure vessel is a theft deterrent
- Removable pressure vessel eliminates the need of union connections
- Blow out flush fitting allows system flush and irrigation system blow-outs
- Simple design – composite housing and check modules resist corrosion
- ASSE® Listed 1015 (horizontal/vertical), IAPMO® Listed, CSA® Certified
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (horizontal and vertical, 3/4" & 1")
- Contact Wilkins for approval updates on 1 1/4" – 2" sizes

Options

Model 350	With full port QT ball valves (standard)
Model 350FT	Supplied with fast-test test cocks
Model 350L	Less ball valves – male pipe thread
Model 350S	With bronze wye strainer
Model 350SH	Supplied with stainless steel handles
Model 350BOF	Blow out flush housing for easy winterizing and startup bundled with the Model 350 (3/4" & 1")
Model 350SHFT	Stainless steel handles, Fast-test test cocks
Model 350XL	California AB 1953 compliant

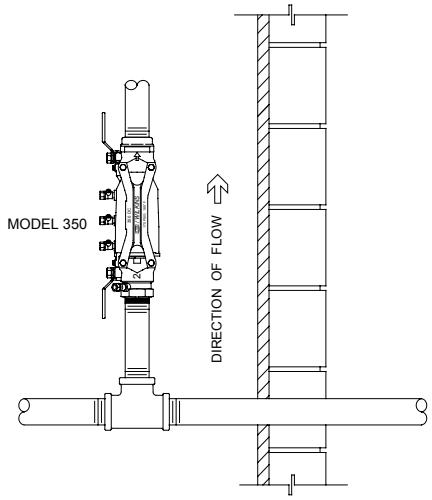
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

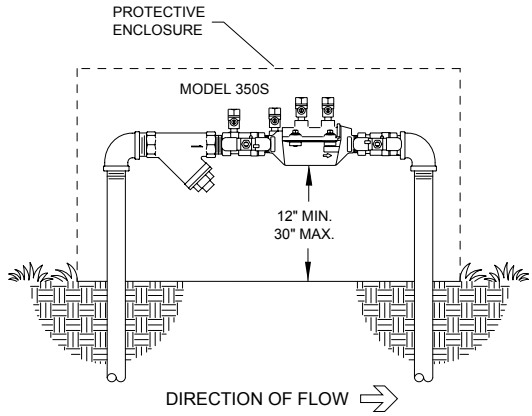
- ❑ Wye strainer (Model S)
- ❑ Thermal expansion tank (Model XT)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Winterizing blow out / flush fitting (RK34-350BOF or RK1-350BOF)
- ❑ Ball valve monitor switch (Model BVMS, 3/4" & 1")

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



INDOOR INSTALLATION



OUTDOOR INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES	HERSEY
350	007QT, 775, 719	40-100-T2	805Y, 850	200B, 2000B	HDC, FDC

Backflow Preventers

Double Check Valve Assembly 950XL Series

Applications

With its time tested design, the Wilkins 950XL is capable of handling the toughest backflow conditions that any double check valve assembly may incur. The 950XL, with its "wye" pattern configuration, offers individual access covers to each check valve, replaceable check seats, and silicone seal rings, all wrapped in a bronze body for use in non-health hazard applications. Since the 950XL carries the Wilkins name, you can rest assured that the 950XL will provide "Performance Under Pressure".

Features

- **3/4", 1", 1 1/4", 1 1/2", 2"**
- Double check valve assembly consisting of two independently operated spring-loaded center guided check valves, wye pattern body
- Complete with two full port resilient seated ball valves for shut-off and four resilient seated ball valve test cocks
- Bronze body construction
- Noryl® replaceable seats and silicone rubber check discs
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum pressure 175 psi
- With BSP threaded connections
- Available with stainless steel handles (optional)
- ASSE® Listed 1015, IAPMO® Listed, C-UL® Classified (Model 950LXL), UL® Classified (Model 950LXL), CSA® Certified, AWWA
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 950XL	FNPT x FNPT end connections
Model 950LXL	Less shut-off valves – male pipe thread
Model 950XLS	Supplied with wye strainer
Model 950XLTCU	With test cocks up
Model 950XLU	Supplied with union connections between ball valves and the device
Model 950XLUS	Same as 950XLU except supplied with wye strainer
Model 950XLOSY	With OS&Y gate valves. UL® Classified only
Model 950XLFDC	Same as 2" size 950XL except supplied with 2 1/2" female swivel inlet hose connection and 2 1/2" male outlet hose connection, for temporary water service from fire hydrant
Model 950XLFT	Supplied with fast-test test cocks
Model 950XLSH	Supplied with stainless steel handles

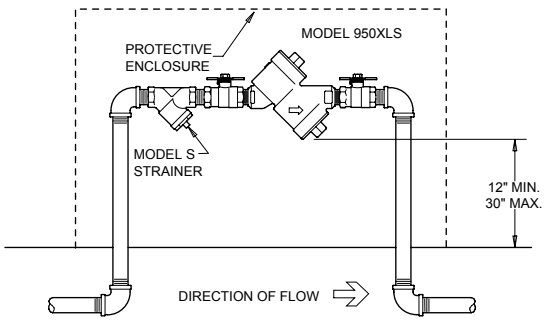
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

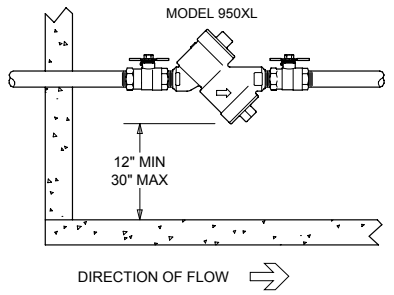
- ❑ Thermal expansion tank (Model XT)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Ball valve monitor switch (Model BVMS)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



OUTDOOR INSTALLATION



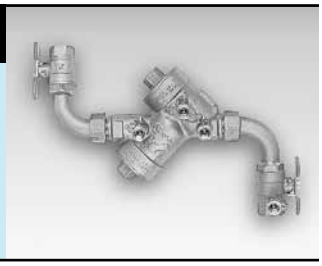
INDOOR INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES	HERSEY
950XL,	007QT, 775, 719	40-100-T2	805Y, 850	200B, 2000B,	HDC, FDC
950LXL	007LF	40-100-T1			
950XLS	007QTS				
950LXTCU					
950XLU	U007QT	40-100-T4			
950XLUS	U007QTS				

Backflow Preventers

Model 950XLV Series Double Check Valve With Elbows



Applications

Building on the proud tradition of the Wilkins 950XL, the 950XLV was created with the installer in mind. Equipped with swivel union elbows, the 950XLV offers installation flexibility in non-health hazard applications where other competitive double check valve assemblies fall short. The swivel union elbows are perfect for those installations that demand either a vertical up-up or up-down configuration. Saving the installer time equates to increasing the installers profit margin, and the 950XLV is designed to accomplish this goal.

Features

- **3/4", 1"**
- Double check valve assembly consisting of two independently operated spring-loaded wye type center guided check valves
- 90° elbow on inlet and outlet allows for easy conversion to different configurations
- Compact design reduces space requirements for protective enclosures
- Eliminates the need for pipe elbows, nipples and unions
- Bronze body construction
- Complete with two full port resilient seated ball valves for shut-off and four resilient seated ball valve test cocks
- Noryl replaceable seats and silicone rubber check discs
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum pressure 175 psi
- Available with stainless steel handles (optional)
- ASSE® Listed 1015, IAPMO® Listed (3/4" size), AWWA (3/4" size)

Options

Model 950XLV	FNPT x FNPT with 90° swivel elbows
Model 950XLVS	Supplied with wye strainer
Model 950XLVSH	Supplied with stainless steel handles
Model 950XLVFT	Supplied with fast-test test cocks

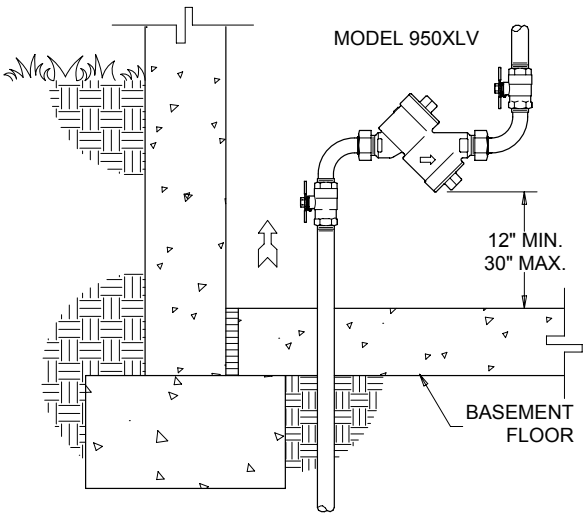
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

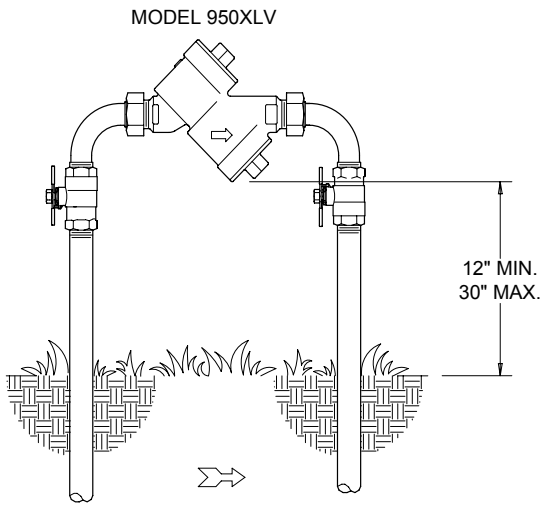
- ❑ Thermal expansion tank (Model XT)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Ball valve monitor switch (Model BVMS)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



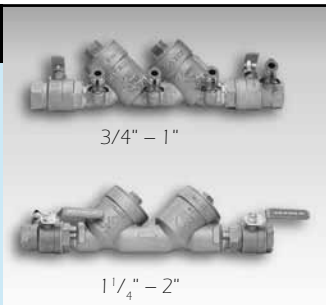
INDOOR VERTICAL INSTALLATION



OUTDOOR HORIZONTAL INSTALLATION

Backflow Preventers

Top Access Double Check Valve Assembly 950XLT Series



Applications

When double check valve assemblies are installed in valve boxes, it is advantageous to have top access to the check valves and test cocks. The Wilkins 950XLT embodies these advantages. Both check valve access covers and test cocks are angled upward for easy access during testing and repair. Designed for backflow protection where a health hazard does not exist, the 950XLT is perfect for residential, commercial, and irrigation applications requiring a valve box installed double check.

Features

- **3/4", 1", 1 1/4", 1 1/2", 2"**
- Top entry double check valve assembly consisting of two independently operated, spring-loaded center guided check valves
- Complete with two full port resilient seated ball valves for shut-off and four resilient seated ball valve test cocks
- Both check valves and test cocks are designed at an inclined angle upward for easy access during repair, maintenance and testing
- Bronze body construction
- Test cocks are provided with threaded plugs
- Noryl® replaceable seats and silicone rubber check discs
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum pressure 175 psi
- With BSP threaded connections
- ASSE® Listed 1015, IAPMO® Listed, CSA® Certified.
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 950XLT	FNPT x FNPT end connections
Model 950LXLT	Less shut-off valves
Model 950XLTS	Supplied with bronze wye strainer
Model 950XLTU	Supplied with union connections between shut-off valves and the device
Model 950XLTUS	Same as 950XLTU except supplied with bronze wye strainer
Model 950XLTFT	Test cocks have Integral male 45° flare SAE test fittings with threaded caps
Model 950XLTSH	Supplied with stainless steel handles

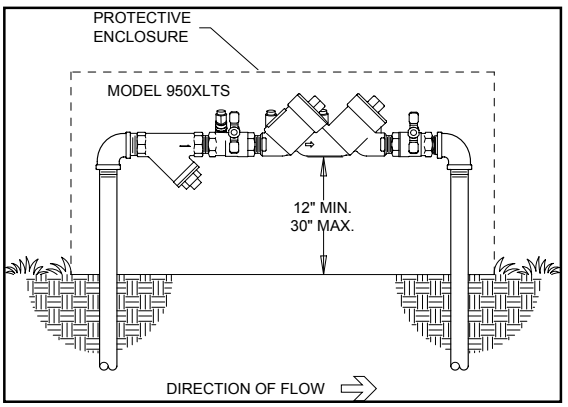
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

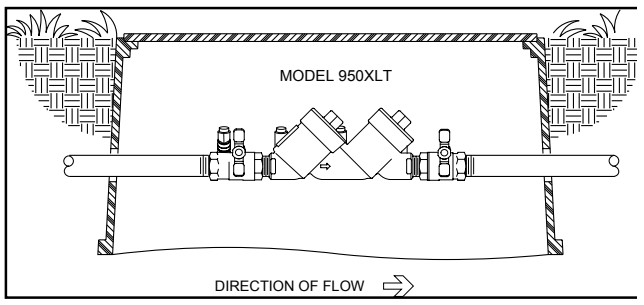
- ❑ Thermal expansion tank (Model XT)
- ❑ Bronze wye strainer (Model S)
- ❑ Stainless steel ball valve handles
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Ball valve monitor switch (Model BVMS)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



OUTDOOR INSTALLATION



PIT INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES	HERSEY
950XLT	007QT, 719QT	40-100-T2	850	200B, 2000B	FDC
950LXLT		40-100-T1			

Backflow Preventers

Double Check Valve 350A/350 Series Pat. No. 5,913,331

(350ABGVIC shown)

Applications

Building on Wilkins' penchant for creating problem solving designs, the 350A / 350 series double check valve assemblies step up to the plate. From their short, light weight ductile iron bodies to their patented low head loss Compound Checks®, the 350A / 350 series offers the best features a modern double check can offer. The 350A series utilize grooved couplings to attach the shut-off valves to the body whereas the 350 utilizes flanges. Acceptable for use in any non-health hazard application, the 350A / 350 double check valve assemblies are the valves that the fire, plumbing, and irrigation professionals view as the zenith in backflow prevention assembly design.

Features

- **350A 2½", 3", 4", 6", 8", 10"**
  350 2½", 3", 4", 6", 8", 10", 12"
- Double check valve consisting of two independently operated spring-loaded center guided check valves
- Complete with two flange-ended non-rising stem resilient wedge gate valves and four resilient seated ball valve test cocks
- Lightweight, thin wall, epoxy-coated ductile iron
- Check components are made from lead-free engineered plastics and stainless steel
- No threads or taps in body or cover, eliminating exposure to corrosion
- Single access cover reduces maintenance down time
- Entire unit serviceable in-line
- Temperature range 33°F - 140°F
- Maximum pressure 175 psi
- ASSE® Listed 1015 (horizontal/vertical), AWWA Listed (horizontal/vertical), IAPMO® Listed (350 only) (horizontal/vertical)
- CSA® Certified (horizontal/vertical), C-UL® Classified (horizontal/vertical), UL® Classified (horizontal/vertical), FM® Approved (horizontal/vertical) (2½" – 10")
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (horizontal/vertical) (2½" – 10")
- 12" UL Classified (horizontal)
- Contact Wilkins for approval updates

Options

Model 350	Flanged body, NRS gate valves
Model 350A	Grooved body, with grooved by flanged NRS gate valves
Model 350L	Flanged body, less gate valves
Model 350AL	Grooved body, less gate valves
Model 350G	Flanged body, with flanged by grooved NRS gate valves
Model 350AG	Grooved body, with grooved by grooved NRS gate valves
Model 350OSY	Flanged body, with flanged by flanged OS&Y gate valves
Model 350AOSY	Grooved body, with grooved by flanged OS&Y gate valves
Model 350OSYG	Flanged body, with flanged by grooved OS&Y gate valves
Model 350AOSYG	Grooved body, with grooved by grooved OS&Y gate valves
Model 350FG	Flanged body, with flanged inlet connection and grooved outlet connection
Model 350AFG	Grooved body, with flanged inlet connection and grooved outlet connection
Model 350FSC	Same as 350 except supplied with an epoxy coated flanged wye strainer
Model 350AFSC	Same as 350A except supplied with an epoxy coated wye strainer
Model 350PI	Flanged body supplied with Post Indicator Valve
Model 350API	Grooved body supplied with Post Indicator Valve
Model 350ABGVIC	Grooved body, with grooved by grooved, tampered Victaulic® butterfly valves (2½" – 8")

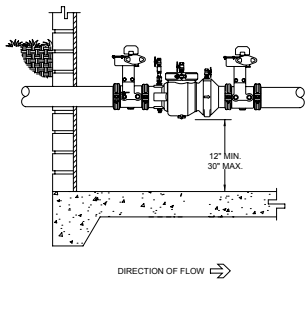
To create a part number to fit your needs, see page 3 for an example. For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

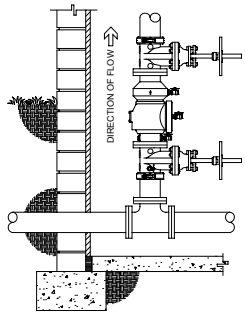
- ❑ FSC wye strainer (non fire protection applications)
- ❑ OS&Y gate valve tamper switch (OSY-40)
- ❑ Test cock lock (Model TCL24)

Typical Installation

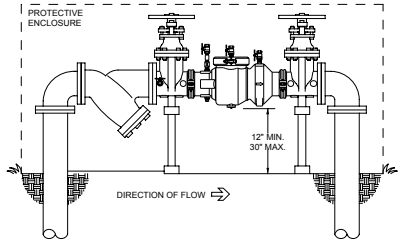
Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



INDOOR INSTALLATION
MODEL 350ABGVIC



INDOOR INSTALLATION
(VERT.) MODEL 350OSYG



OUTDOOR INSTALLATION
MODEL 350AFSC

X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES
350	774, 774X 775, 757a	4S-100	850, 857	2000SS, 200(a) Maxim & Colt 2001SS

Backflow Preventers

Double Check Valve 450 Series Pat. No. 5,913,331

Applications

There are many instances where a double check valve assembly must be retrofitted into a system, but there is inadequate room to install a traditional in-line, horizontal valve. The Wilkins 450 was designed with this problem in mind. The 450, with its "N" pattern design, offers a compact double check that lends itself well to cramped, retrofit locations. Constructed with light weight, ductile iron bodies, the 450 also utilizes the patented Compound Checks®, resulting in a light weight valve with extremely low head loss. Providing protection where a health hazard does not exist, the Wilkins 450 is the "space saver" you need on your retrofit job! Works well when an enclosure is specified, as the smaller footprint allows for a smaller enclosure, reducing total installed costs. Check out the valve setter as well.

Features

- **2 1/2", 3", 4", 6", 8", 10"**
- Double check valve assembly consisting of two independently operated spring-loaded center guided check valves
- Standard with two flange-ended non-rising stem resilient wedge gate valves and four resilient seated ball valve test cocks
- Lightweight, ductile iron construction with FDA approved fusion epoxy coat inside and out
- Utilizes a patented center-stem guided Compound Checks® closure (Pat. No. 5,913,331)
- Dual torsion springs bias the check in the closed position
- Modular poppet design; lead-free engineered plastic (Noryl®) and stainless steel
- Replaceable seats and seat discs
- Temperature range 33°F – 140°F
- Maximum pressure 175 psi
- ASSE® Listed 1015, IAPMO® Listed, CSA® Certified (2 1/2" – 8"), AWWA Compliant, UL® Classified, C-UL® Classified, FM® Approved
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 450	Flange and NRS gate valves
Model 450G	Grooved end gate valves
Model 450FG	Flanged inlet gate connection and grooved outlet NRS gate connection
Model 450L	Less gate valves (grooved end body connections)
Model 450OSY	Flanged end OS&Y (outside stem and yoke) gate valves. For fire protection applications
Model 450OSYG	Grooved end OS&Y gate valves
Model 450PI	Supplied with post indicator gate valve. (4" – 8") (ask for spec sheet GV-PI)
Model 450BGVIC	With grooved by grooved Victaulic® tampered butterfly shutoff (4", 6" & 8")

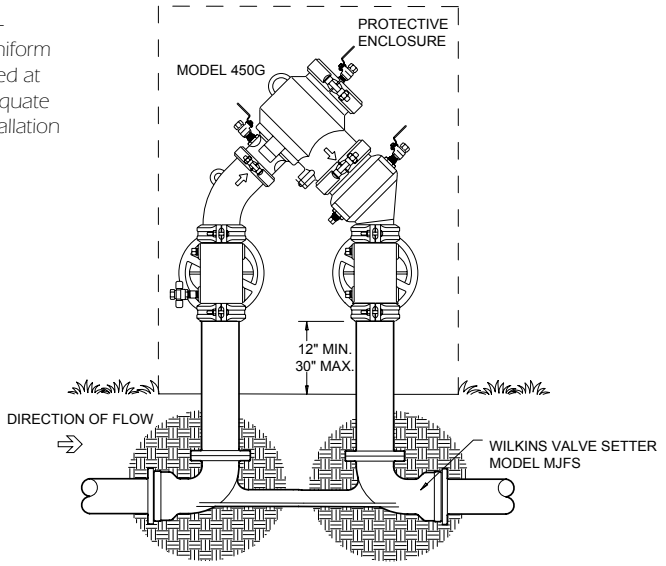
To create a part number to fit your needs, see page 3 for an example. For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

- ❑ Thermal expansion tank (Model XT)
- ❑ Valve setter (Model FLS or MJS or MJFS)
- ❑ Flange by groove adapter (FLA)
- ❑ OS&Y gate valve supervisory switch (OSY-40)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



OUTDOOR INSTALLATION

X Ref

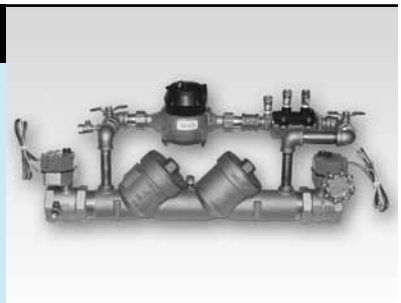
WILKINS	WATTS	FEBCO	AMES
450	N775	870	2001SSN, 200(a) M&C "N"

Backflow Preventers

Double Check Detector 950XLTDABF

Applications

Designed to protect against backflow in residential and smaller commercial fire systems, the Wilkins 950XLTDABF double check detector assembly offers an alternative to the larger flanged detector assemblies that are typically used. Constructed around the 2" 950XLT, the 950XLTDABF utilizes a meter and ¾" 350 by-pass to detect the unauthorized use or leaking of water in a residential fire protection system. Available with either OS&Y (XLTDA) or butterfly (XLTDABF) shut-off valves, the 950XLTDABF will satisfy the design criteria of any residential fire system that requires a short, light-weight double check detector assembly where a health hazard does not exist.



Features

- **2"**
- Double check valve consisting of two independently operated spring-loaded center guided check valves
- The by-pass assembly consists of a water meter (gallons standard) in series with a double check backflow preventer
- For use in fire line applications
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum working water pressure 175 psi
- Bronze body construction
- Maximum working water temperature 180°F
- Hydrostatic test pressure 350 psi
- End connections (threaded) ANSI B1.20.1
- Test cocks are provided with threaded plugs
- ASSE® Listed 1048 (horizontal/vertical), UL® Classified (horizontal/vertical), C-UL® Classified (horizontal/vertical)
- Contact Wilkins for additional approval status

Options

950XLTDABF	With butterfly shut-off valves
950XLTDABFSS	With butterfly shut-off valves and supervisory switches
950XLTDA	With OS&Y gate valves
950XLTDALM	Less water meter
950XLTDACFM	With cu ft meter
950XLTDASCFM	Sensus cubic ft meter

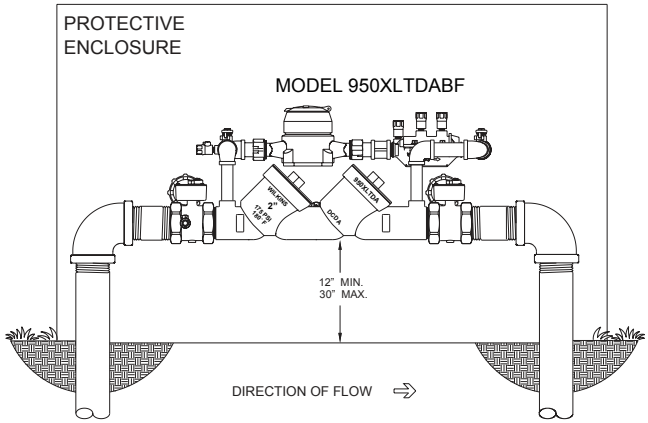
For Additional Information, reference WK-BPC catalog or visit our web site.

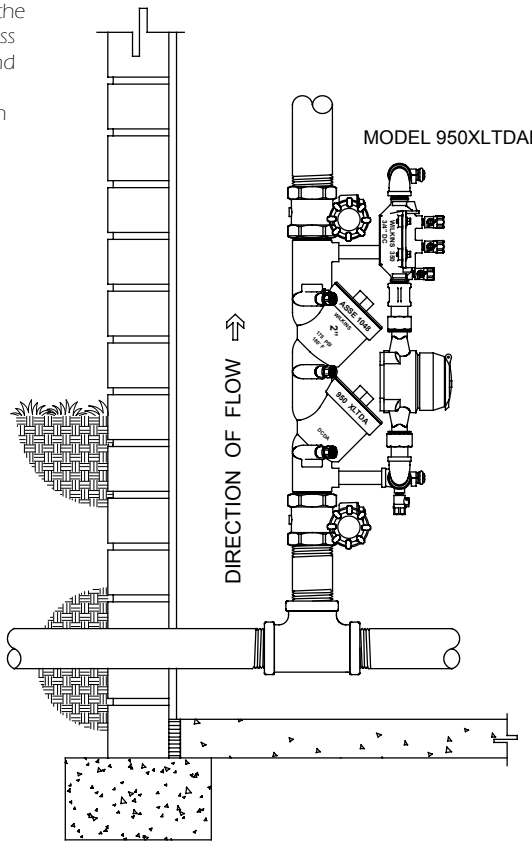
Accessories

- ❑ OS&Y gate valve supervisory switch (OSY-40)
- ❑ Test cock lock (Model TCL24)
- ❑ Quick test set (QT-SET)

Typical Installation

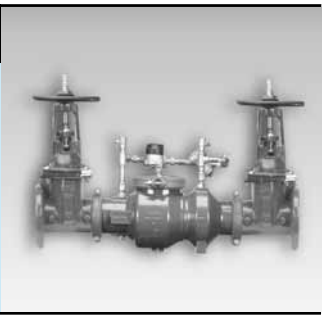
Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.





Backflow Preventers

Double Check Detector 350ADA/350DA Series — Pat. No. 5,913,331



Applications

Fire protection systems, with their unmetered lines and unique need for ultra-low head loss, demand a valve that can deal with this criteria. The Wilkins 350ADA / 350DA series double check detector assemblies are ready to take on the challenge. Designed to detect water leakage or usage while protecting against backpressure and backsiphonage, the 350ADA / 350DA series and their patented Compound Checks® provide the low head loss that fire protection professionals demand. Providing backflow protection where a health hazard does not exist, the 350ADA / 350DA is provided with grooved or flanged body connections and the choice of grooved or flanged terminating ends.

Features

- **350ADA 2½", 3", 4", 6", 8", 10"**
  350DA 2½", 3", 4", 6", 8", 10", 12"
- Double check valve consisting of two independently operated spring-loaded center guided check valves
- Complete with two flange-ended resilient wedge OS&Y gate valves and four resilient seated ball valve test cocks
- The by-pass assembly consists of a water meter in series with a double check backflow preventer
- For use in fire line applications
- Lightweight, thin wall, epoxy-coated ductile iron
- Modular check design utilizing lead-free engineered plastic (Noryl®) and stainless steel
- No threads or taps in body or cover, eliminating exposure to corrosion
- Single access cover reduces maintenance down time
- Entire unit serviceable in line
- Temperature range 33°F – 140°F
- Maximum pressure 175 psi
- ASSE® Listed 1048 (horizontal/vertical), UL® Classified (horizontal/vertical), C-UL® Classified (horizontal/vertical), FM® Approved (horizontal/vertical), CSA® Classified (horizontal/vertical), AWWA Compliant (horizontal/vertical) (2" – 10")
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (2½" – 10")
- Available with CFM water meter (5/8" x 3/4")
- 12" UL classified (horizontal)

Options

Model 350DA	Flanged body, flanged OS&Y gate valves
Model 350ADA	Grooved body, with grooved by flanged OS&Y gate valves
Model 350DAL	Flanged body, less gate valves
Model 350ADAL	Grooved body, less gate valves
Model 350DALM	Less water meter
Model 350DAG	Flanged body, with flanged by grooved OS&Y gate valves
Model 350ADAG	Grooved body, with grooved by grooved OS&Y gate valves
Model 350DAFG	Flanged body, with flanged inlet connection and grooved outlet connection
Model 350ADAFG	Grooved body, with flanged inlet connection and grooved outlet connection
Model 350DAPI	Flanged body supplied with Post Indicator Valve (3" – 12")
Model 350ADAPI	Grooved body supplied with Post Indicator Valve (3" – 10")
Model 350ADABGVIC	Grooved body, with grooved by grooved, tampered Victaulic® butterfly valves (2½" – 8")
CFM	With cubic feet meter
SCFM	With Sensus cubic feet meter

To create a part number to fit your needs, see page 3 for an example

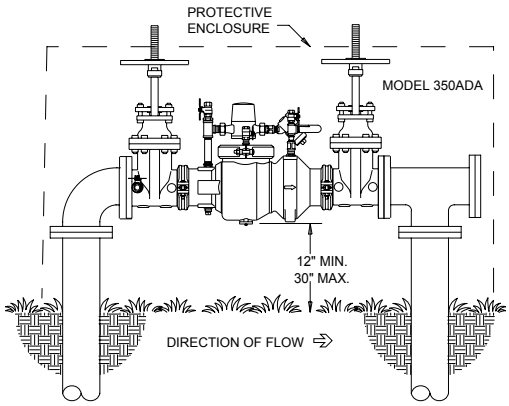
For Additional Information, reference WK-BPC catalog or visit our web site.

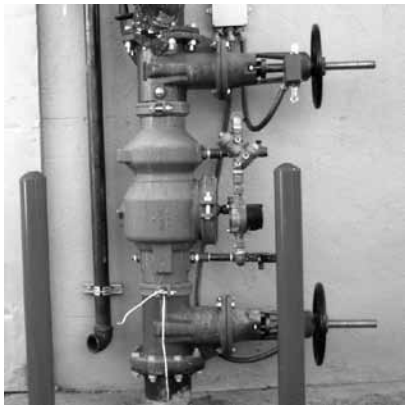
Accessories

- ❑ OS&Y gate valve supervisory switch (OSY-40)
- ❑ Test cock lock (Model TCL24)

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



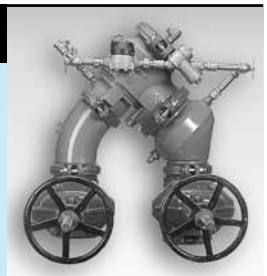


X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES	HERSEY
350DA	770DCDA	40-600	806YD, 858	3000SS	DDC II
350DA, 350DAG	709DCDA	4S,4SG	856	3000DCDA	
350DA	774DCDA	4S-60EC3		3001SS, 300(a) Maxim & Colt	

Backflow Preventers

Double Check Detector 450DA Series Pat. No. 5,913,331



(450DAG Shown)

Applications

When space is tight, and a traditional horizontal valve just will not fit, the Wilkins 450DA is the space saver that is needed. The 450DA is an "N" pattern double check detector assembly designed to prevent back-pressure or backsiphonage of water from the fire system into the public potable supply. While protecting against a non-health hazard backflow condition, the 450DA provides low head loss and excellent backflow protection through the use of the center stem guided Compound Check®. As is true with all of Wilkins large diameter backflow assemblies, the 450DA is available with grooved or flanged end connections via gate or butterfly shut-off valves.

Features

- **4", 6", 8", 10"**
- Double check valve consisting of two independently operated spring-loaded center guided check valves
- Standard with two flange-ended resilient wedge OS&Y (outside stem and yoke) gate valves and four resilient seated ball valves and test cocks
- The bypass assembly consists of a 5/8" x 3/4" water meter in series with a double check valve backflow preventer
- Lightweight, ductile iron construction with FDA approved fusion epoxy coat inside and out
- Utilizes a patented center-stem guided Compound Check® closure (Pat. No. 5,913,331)
- Modular check design utilizing lead-free engineered plastic (Noryl®) and stainless steel
- For use in fire line services
- Temperature range 33°F – 140°F
- Maximum pressure 175 psi
- ASSE® Listed 1048, UL® Classified, FM® Approved, C-UL® Classified, AWWA Compliant, CSA® Certified (sizes 4" & 6")
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 450DA	Flanged end OS&Y gate valves
Model 450DAL	Less end OS&Y gate valves, grooved connections
Model 450DAG	Grooved end OS&Y gate valves
Model 450DALM	Less water meter
Model 450DABGVIC	Supplied with groove x groove tampered Victaulic® butterfly valves (4" – 8")
Model 450DAFG	Flanged inlet gate connection and grooved outlet OS&Y gate connection
Model 450DAPI	Supplied with post indicator gate valve (ask for spec sheet GV-PI)
Model 450CFM	With cubic feet meter
Model 450SCFM	With Sensus cubic feet meter

To create a part number to fit your needs, see page 3 for an example

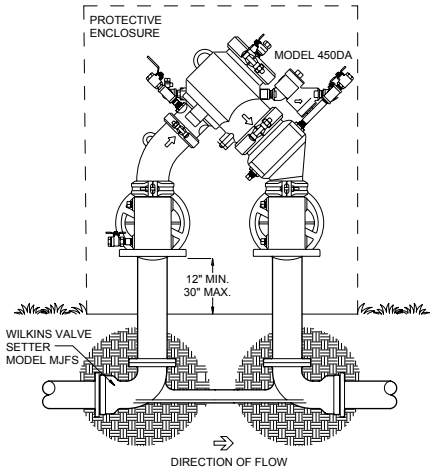
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

- ❑ Valve setter (Model FLS or MJS or MJFS)
- ❑ Flange by groove adapter (FLA)
- ❑ OS&Y gate valve supervisory switch (OSY-40)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



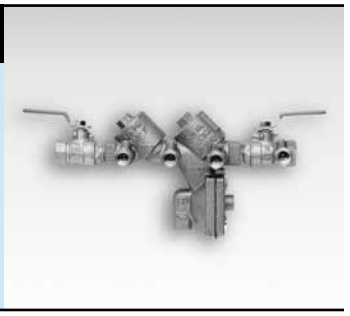
OUTDOOR INSTALLATION

X Ref

WILKINS	WATTS	FEBCO	AMES
450DA	N775DCDA	876	3001SSN
		876V	3001SSZ, 300(a) M&C "N"

Backflow Preventers

Reduced Pressure Principle 975XL Series



Applications

The 1/4" to 1/2" 975XL was designed for installation in very tight locations. Typically, high hazard applications such as beverage machines require installation in small, inaccessible areas. With the 975XL's top access to the checks, it is much easier to repair than "wye" pattern designs when in difficult assembling areas. Designed to prevent backpressure and backsiphonage of contaminated water into the public potable supply, the1/4" to 1/2" 975XL is ready for the challenge.

Features

- **1/4", 3/8", 1/2"**
- Reduced pressure principle backflow preventer consisting of a pressure differential relief valve located between two independently operated spring-loaded center guided check valves
- Complete with two full port resilient seated ball valves for shut-off and four resilient seated ball valve test cocks
- Bronze body construction
- Noryl® replaceable seats
- Silicone check valve discs standard
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum pressure 175 psi
- Available with stainless steel handles (optional)
- ASSE® Listed 1013, IAPMO® Listed, CSA® Certified
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 975XL	FNPT x FNPT end connections
Model 975LXL	Less shut-off valves
Model 975XFT	Supplied with fast-test test cocks
Model 975XLS	Supplied with wye strainer (1/2" only)
Model 975XLSH	Supplied with stainless steel handles
Model 975XLTCU	Supplied with test cocks up
Model 975XLST	Supplied with stainless steel body, test cocks, and shut-off valves (3/8" and 1/2"). California AB 1953 compliant

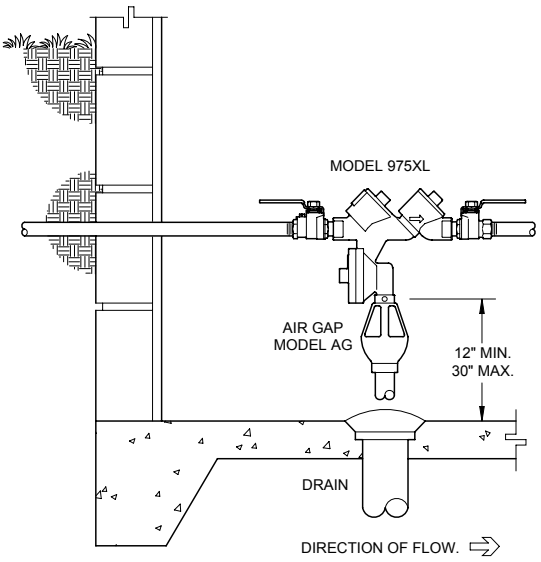
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

- ❑ Air gap (Model AG-8)
- ❑ wye strainer (Model S)
- ❑ Thermal expansion tank (Model XT)
- ❑ Test cock lock (Model TCL24)
- ❑ Soft seated check valve (Model 40XL)
- ❑ Water hammer arrestor (Model 1250)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged or where relief valve discharge could cause damage.



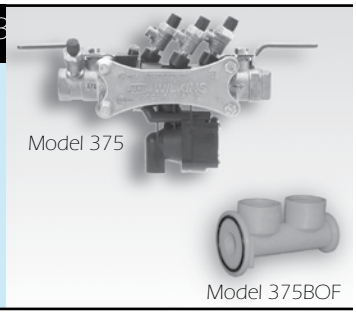
INDOOR INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES	HERSEY
975XL	009QT, 995, 909QT, 909M1QT, 919	40-200-T2	825Y, 860	400B	FRPII
975LXL	009LF	40-200-T1			
975XLS	009QTS, 909QTS, 909M1QTS				
975XLST	SS009	40-200-T2S			

Backflow Preventers

Reduced Pressure Principle Assembly Model 375 Pat. No. 6,513,543



Applications

Wilkins has built a reputation of designing products that answer the need of the customer, and the voice of the customer was the driving force behind the design of the 375. With its unique, removable pressure vessel, the 375 is repaired easier and quicker than any other reduced pressure principle assembly on the market. This unique design allows for rapid commissioning because the entire pressure vessel can be removed for line flushing. The patented blow-out, flush fitting assists in system start-ups and winterizations. When there is a need for simplicity and speed in repair, the Wilkins 375 cannot be beat.

Features

- **3/4", 1", 1 1/4", 1 1/2", 2"**
- Short lay length – fits in smaller area
- Top access to test cocks and shutoff valves and check assembly – easy to test
- Entire pressure vessel is removable to facilitate check access for cleaning or repair
- Easy to winterize by removing pressure vessel between shutoff valves
- Plastic pressure vessel is a theft deterrent
- Removable pressure vessel eliminates the need of union connections
- Simple design for easy maintenance
- Composite housing and check modules resist corrosion
- ASSE® Listed 1013, (horizontal (3/4"-2") / vertical (3/4" & 1")), IAPMO® Listed, CSA® Certified
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (3/4" & 1", Contact Wilkins for 1 1/4" – 2" approvals)

Options

Model 375	With full port QT ball valves (standard)
Model 375L	Less ball valves – male pipe thread
Model 375S	With bronze wye strainer
Model 375FT	Supplied with fast-test test cocks
Model 375BOF	Blow out flush housing for easy winterizing and start up (bundled with the Model 375, 3/4" & 1")
Model 375SH	Stainless steel handles
Model 375SHFT	Stainless steel handles, Fast-test test cocks
Model 375XL	California AB 1953 compliant
Model 375P	Purple pressure vessel for reclaimed water

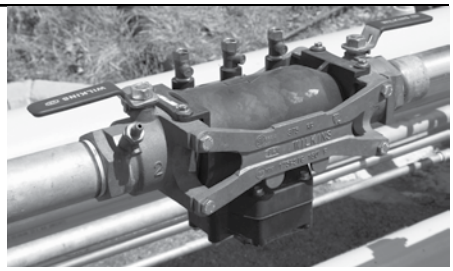
For Additional Information, reference WK-BPC catalog or visit our web site.

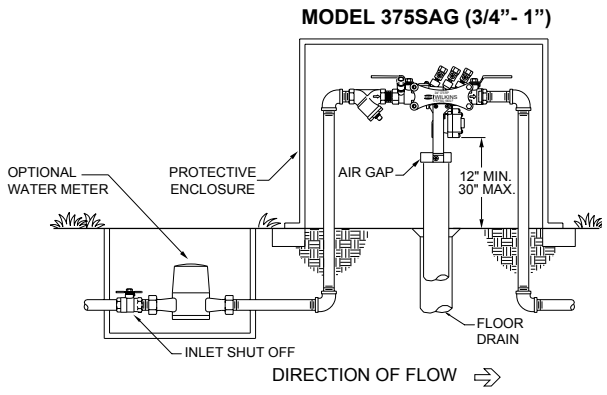
Accessories

- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Soft seated check valve (Model 40XL)
- ❑ Water hammer arrestor (Model 1250)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Blow out / flush fitting (RK34-375BOF or RK1-375BOF)
- ❑ Bronze wye strainer (Model S)

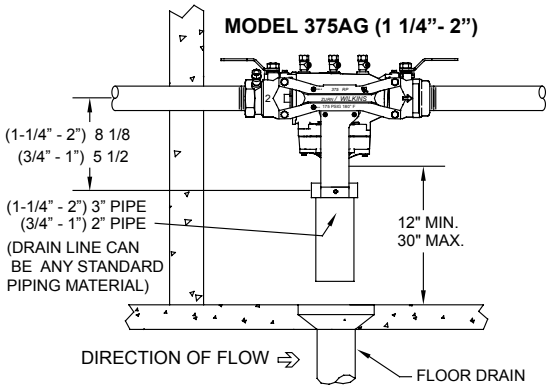
Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.





OUTDOOR INSTALLATION



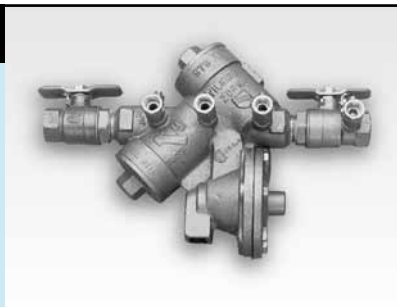
INDOOR INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES	HERSEY
375	009QT, 995, 909QT, 909M1QT, 919	40-200-A2	825Y,860	400B, 4000B	FRPII

Backflow Preventers

Reduced Pressure Principle 975XL Series



Applications

Giving superior protection against both backpressure and backsiphonage in a high hazard application is exactly what the Backflow Prevention professional expects, and that is exactly what the Wilkins 975XL offers. Built around the time honored "Wye pattern" design, the 975XL is loaded with the features that demanding professionals ask for. From the individual access covers for the three main components, to the use of all silicone elastomers and Noryl® polymers, the 975XL is the feature loaded valve that the professionals demanded. When your high hazard backflow installation demands the best RP available, you can rely on the Wilkins 975XL.

Features

- **3/4", 1", 1 1/4", 1 1/2", 2"**
- Reduced pressure principle backflow preventer consisting of a pressure differential relief valve located between two independently operated spring-loaded wye type center guided check valves, wye pattern body
- Complete with two full port resilient seated ball valves for shut-off and four resilient seated ball valve test cocks
- Bronze body construction
- Noryl® replaceable seats and silicone rubber check discs
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum pressure 175 psi
- With BSP threaded connections
- Available with stainless steel ball valve handles (optional)
- ASSE® Listed 1013, IAPMO® Listed, CSA® Certified, AWWA, UL® Classified (Model 975LXL), C-UL® Classified (Model 975LXL)
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 975XL	FNPT x FNPT end connections
Model 975XLTCU	Test cocks up
Model 975LXL	Less shut-off valves
Model 975XLS	Supplied with wye strainer
Model 975XLU	Supplied with union connections between shut-off valves and the device
Model 975XLUS	Same as 975XLU except supplied with wye strainer
Model 975XLSE	Supplied with 90° elbows
Model 975XLP	Purple access covers for reclaimed water
Model 975XLMS	Integral supervisory switch
Model 975XLBMS	Battery-powered integral supervisory switch
Model 975XLFDC	Same as 2" size 975XL except supplied with 2 1/2" female swivel inlet hose connection and 2 1/2" male outlet hose connection, for temporary water service from fire hydrant
Model 975XLFT	Supplied with fast-test test cocks
Model 975XLSH	Supplied with stainless steel handles

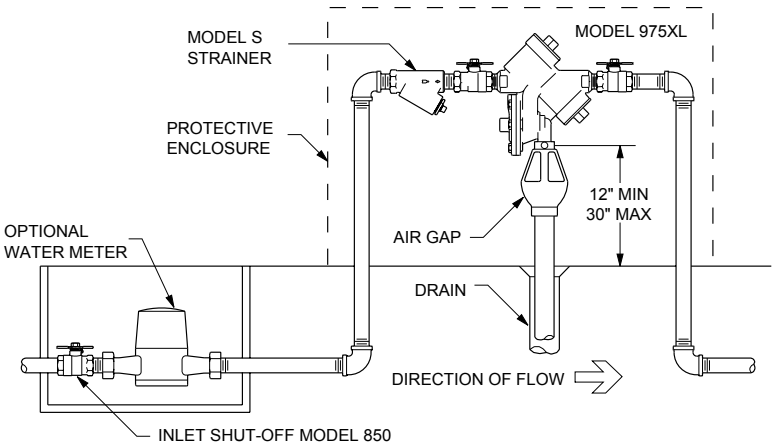
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Soft seated check valve (Model 40XL)
- ❑ Water hammer arrestor (Model 1250)
- ❑ Quick test set (QT-SET)
- ❑ Ball valve handle locks (BVHL)
- ❑ Test cock lock (Model TCL24)
- ❑ Ball valve monitor switch (Model BVMS)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.

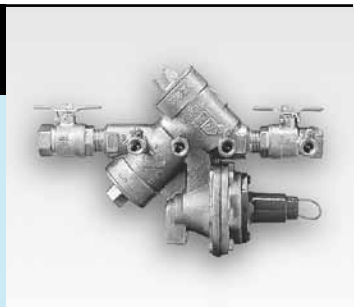


X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES	HERSEY
975XL	009QT, 995, 909QT, 909M1QT, 919 ,009LF	40-200-A2 40-200-A1	825Y,860	400B, 4000B	FRPII

Backflow Preventers

Reduced Pressure Principle with Integral Relief Valve
Monitor Switch 975XLMS Series Pat. No. 5,425,393



Applications

Reduced pressure principle assemblies are designed to discharge water. Relief valve discharge can result in severe property damage should the discharge go undetected. The Wilkins 975XLMS can alleviate the potential damage. The relief valve is equipped with a monitor switch that when attached to the appropriate alarm, will notify the proper authorities that the relief valve is discharging. Hence the discharge can be corrected before damage occurs. While still providing the superior protection of the 975XL the 975XLMS can also be used in conjunction with the ZW106 and EST allowing for a total shut-off of the water during relief valve discharge.

Features

- **3/4", 1", 1¼", 1½", 2"**
- Reduced pressure principle backflow preventer with patented integral relief valve monitor switch
- When connected to a low voltage alarm circuit, the monitor switch electrically supervises the relief valve in the closed position
- In the event of a backflow condition, the relief valve closes an electrical circuit, signaling that a possible relief valve discharge may be occurring
- Weather-resistant housing and wire leads
- Switch contact rating 3A @ 24V
- Bronze body and cover construction
- Spring-loaded, center guided check valves
- Noryl® replaceable seats
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum pressure 175 psi
- UL® recognized switch – supplied with normally open contacts
- Switch is factory installed and ready for immediate installation to appropriate electrical circuit
- With BSP threaded connections
- Self-contained monitor switch is also available as a kit to retrofit existing 975XL installations.
- ASSE® Listed 1013, IAPMO® Listed, AWWA Compliant, CSA® Certified
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 975LXLMS FNPT x FNPT end connections

Model 975LXLMS Less shut-off valves

Model 975XLMSS Supplied with wye Strainer

Model 975XLMSU Union connections between ball valves and the device

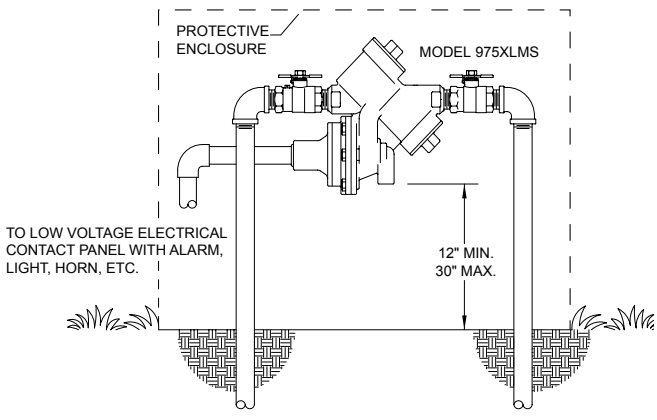
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

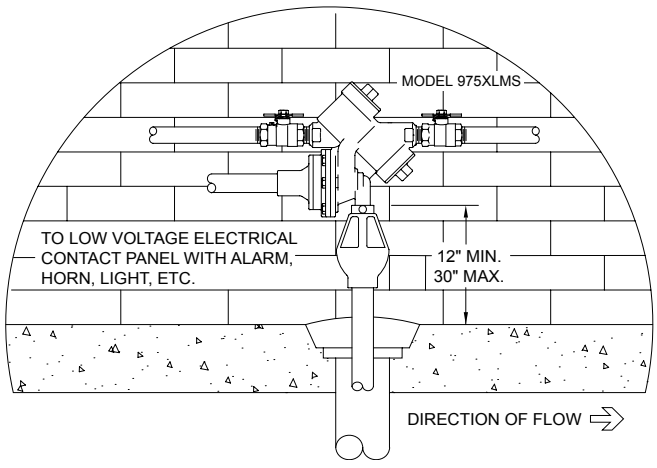
- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Soft seated check valve (Model 40XL)
- ❑ Water hammer arrestor (Model 1250)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Ball valve monitor switch (Model BVMS)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



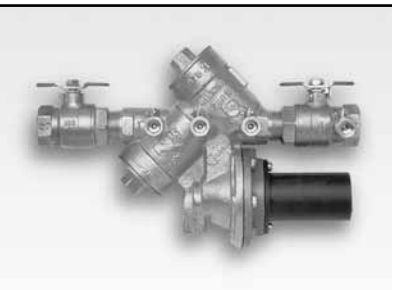
OUTDOOR INSTALLATION



INDOOR INSTALLATION

Backflow Preventers

Reduced Pressure Principle with Integral Relief Valve Battery Monitor Switch 975XLBMS Series Pat. No. 5,425,393



Applications

Relief valve discharge from a reduced pressure principle assembly can lead to costly water damage. The 975XLBMS is designed to sound an audible alarm should the relief valve begin to discharge. The battery monitor switch used with the 975XLBMS is a stand-alone alarm that does not require electrical power. When the relief valve discharge occurs, the BMS's internal timer will set off an audible alarm within 10 seconds, letting the appropriate people know that discharge is occurring. In addition to this feature, the BMS also exhibits a phone port that can be connected to an auto dialer or alarm panel.

Features

- **3/4", 1", 1 1/4", 1 1/2", 2"**
- Reduced pressure principle backflow preventer with self-contained battery powered switch
- In the event of a backflow condition the 975XLBMS sounds an audible alarm signaling that a possible relief valve discharge may be occurring
- Features manual on/off switch and LED indicating battery charge
- Built-in delay to prevent false signal due to intermediate pressure fluctuations
- Bronze body and cover construction
- Spring-loaded, center guided check valves
- Noryl® replaceable seats
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum pressure 175 psi
- UL® recognized switch – supplied with normally open contacts
- Switch is factory installed and ready for immediate installation to appropriate electrical circuit
- With BSP threaded connections
- Self-contained monitor switch is also available as a kit to retrofit existing 975XL installations
- ASSE® Listed 1013, IAPMO® Listed, AWWA, CSA® Certified
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 975XLBMS FNPT x FNPT end connections

Model 975LXLBMS Less shut-off valves

Model 975XLBMSS Supplied with bronze wye strainer

Model 975XLBMSU Union connections between ball valves and the device

Model BVMS Supplied with ball valve monitor switch

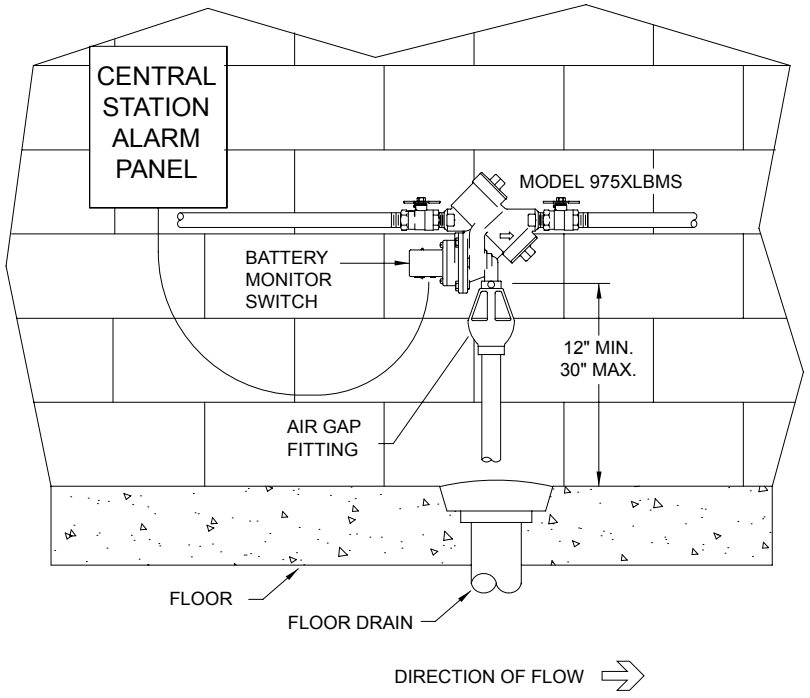
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Soft seated check valve (Model 40XL)
- ❑ Water hammer arrestor (Model 1250)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)

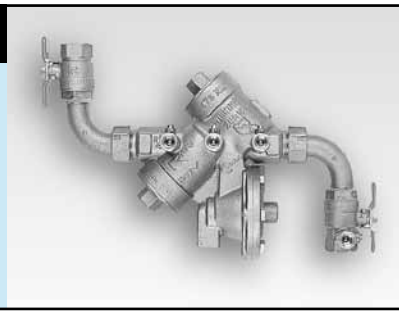
Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. Note: If installed outdoors, a protective enclosure is recommended. The installation shall be made so that no part of the unit can be submerged.



Backflow Preventers

Reduced Pressure Principle with Swivel Elbows 975XLV Series



Applications

Installation flexibility was the main focus when Wilkins created the 975XLV. In high hazard applications, the 975XLV will protect against both backpressure and backsiphonage, while allowing vertical up-up and up-down installation via the union connected elbows. The sweeping elbows along with the superior design qualities of the 975XL, yield low head loss and repeatability that Wilkins backflow preventers are known for.

Features

- **3/4", 1"**
- Reduced pressure principle backflow preventer consisting of a pressure differential relief valve located between two independently operated spring-loaded center guided check valves, wye pattern body
- Complete with two full port resilient seated ball valves for shut-off and four resilient seated ball valve test cocks
- 90° swivel union elbow on inlet and outlet allows for easy conversion to different configurations
- Compact design reduces space requirements for protective enclosures
- Eliminates the need for pipe elbows, nipples and unions
- Bronze body construction
- Replaceable Noryl® check seats
- Silicone check valve disc standard
- Entire unit serviceable in line
- Temperature range 33°F - 180°F
- Maximum pressure 175 psi
- Available with stainless steel handles (optional)
- ASSE® Listed 1013, IAPMO® Listed, AWWA Compliant (horizontal/vertical), CSA® Certified (horizontal/vertical)
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Accessories Options

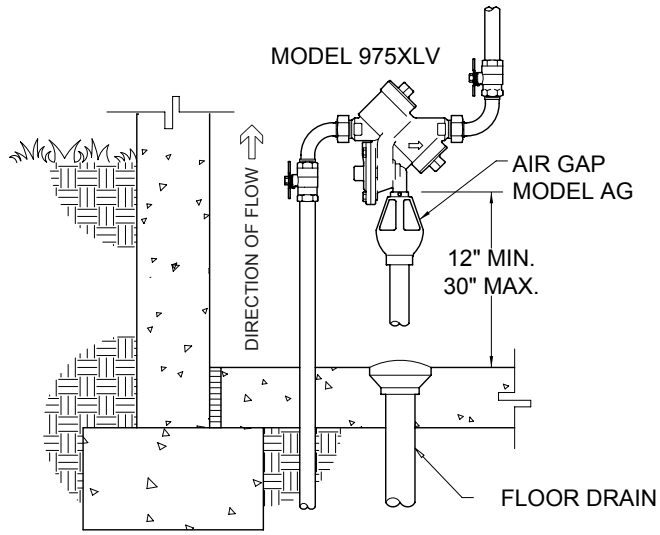
Model 975XLV	FNPT x FNPT with swivel elbows
Model 975XLVS	Supplied with bronze wye strainer
Model 975XLVFT	Supplied with fast-test test cocks

For Additional Information, reference WK-BPC catalog or visit our web site.

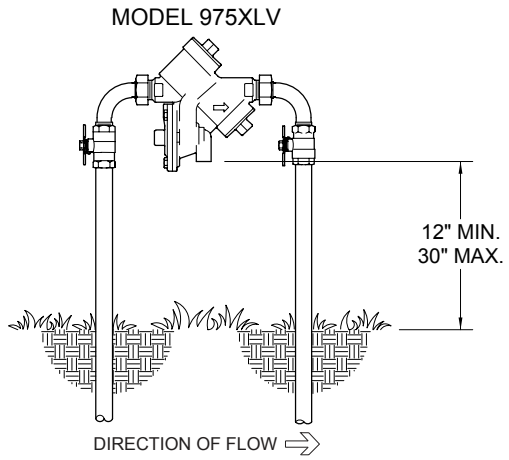
- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Soft seated check valve (Model 40XL)
- ❑ Water hammer arrestor (Model 1250)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Ball valve monitor switch (Model BVMS)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



INDOOR VERTICAL INSTALLATION



OUTDOOR HORIZONTAL INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO
975LXV	U009AQT	40-200-A2U (or Z)
975XLVS	U009AQTS	

Backflow Preventers

Reduced Pressure Principle with 90° Elbows 975XLSE Series

Applications

The 975XLSE provides the flexibility of allowing a vertical up-up and up-down installation, while keeping the installation foot print small. The use of street elbows installed between the valve body and the shut-off valves, yield the narrow footprint. The 975XLSE is a perfect valve for use in high hazard backpressure or backsiphonage irrigation installations where a large backflow enclosure would detract from the aesthetics of the landscape.

Features

- **3/4", 1", 1 1/4", 1 1/2", 2"**
- Reduced pressure principle backflow preventer consisting of a pressure differential relief valve located between two independently operated spring-loaded center guided check valves, wye pattern body
- Complete with two full port resilient seated ball valves for shut-off and four resilient seated ball valve test cocks
- 90° street elbows allow for easy retrofit in space restrictive areas
- Short laying length
- Bronze body construction
- Replaceable Noryl® check seats
- Silicone check valve disc standard
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum pressure 175 psi
- Available with stainless steel handles (optional)
- ASSE® Listed (1 1/4" – 2"), AWWA Compliant, IAPMO® Listed, CSA® Certified
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 975XLSE FNPT x FNPT with street elbows (3/4" & 1")

Model 975XLSEU Full port quarter turn union ball valves

Model 975XLSEFT Supplied with fast-test test cocks

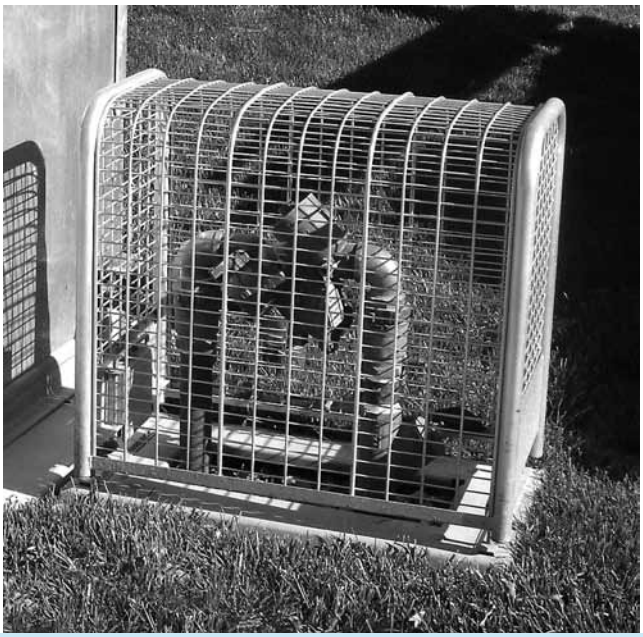
For Additional Information, reference WK-BPC catalog or visit our web site.

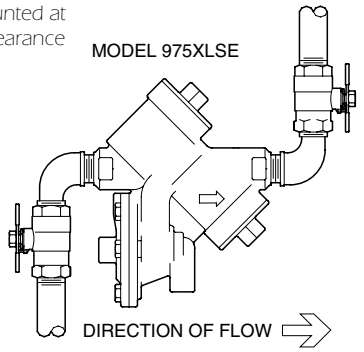
Accessories

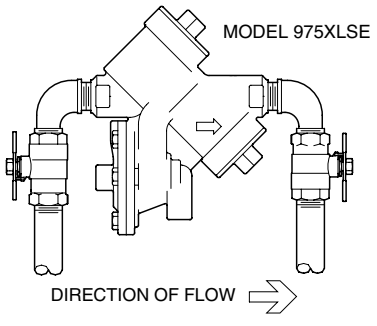
- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Soft seated check valve (Model 40XL)
- ❑ Water hammer arrestor (Model 1250)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Ball valve monitor switch (Model BVMS)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.







X Ref

WILKINS	FEBCO
375XLSE	825YA

Backflow Preventers

Pre-Plumbed Backflow Station Pre-Set Series

(2" 975XLVSR Shown)

Applications

The pre-set series of pre-plumbed backflow stations were created by Wilkins to reduce the time necessary to install a backflow station. Typically, a backflow station will embody the backflow preventer, wye strainer, pressure reducing valve and or check valve all plumbed together. Wilkins had a desire to reduce the amount of labor the installer would spend by giving the installer a pre-plumbed, pre-tested station. Available with either a 950XL or a 975XL, the appropriate strainer, pressure reducing valve, or check valve is added to the station according to the needs of the installation.

Features

- **3/4", 1", 1 1/4", 1 1/2", 2"**
- Pre-plumbed backflow station. Assembly can be of the reduced pressure principle or of the double check type
- Includes a Model 975XL or 950XL backflow preventer and either a wye strainer, in-line check valve, or pressure reducing valve in any combination
- Each station is provided with unions between the backflow body & shutoff valves
- Each unit is fully assembled with elbows, unions, and nipples, thereby reducing time, effort and materials normally necessary in a backflow installation
- Available with stainless steel handles (optional)
- ASSE® Listed 1013 (975XL), ASSE® Listed 1015 (950XL)
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (975XL)

Options

Model 950XLVSR/975XLVSR	Model YB wye strainer on inlet and Model BR4 regulator on outlet
Model 950XLVSC/975XLVSC	Model YB wye strainer on inlet and Model 40XL In-line Check Valve on outlet
Model 950XLVRS/975XLVRS	Model BR4 regulator on inlet and Model YB wye strainer on outlet
Model 950XLVRC/975XLVRC	Model BR4 Regulator on inlet and Model 40XL in-line check valve on outlet
Model 950XLVCS/975XLVCS	Model 40XL in-line check valve on inlet and Model YB wye strainer on outlet
Model 950XLVCR/975XLVCR	Model 40XL in-line check valve on inlet and Model BR4 regulator on outlet

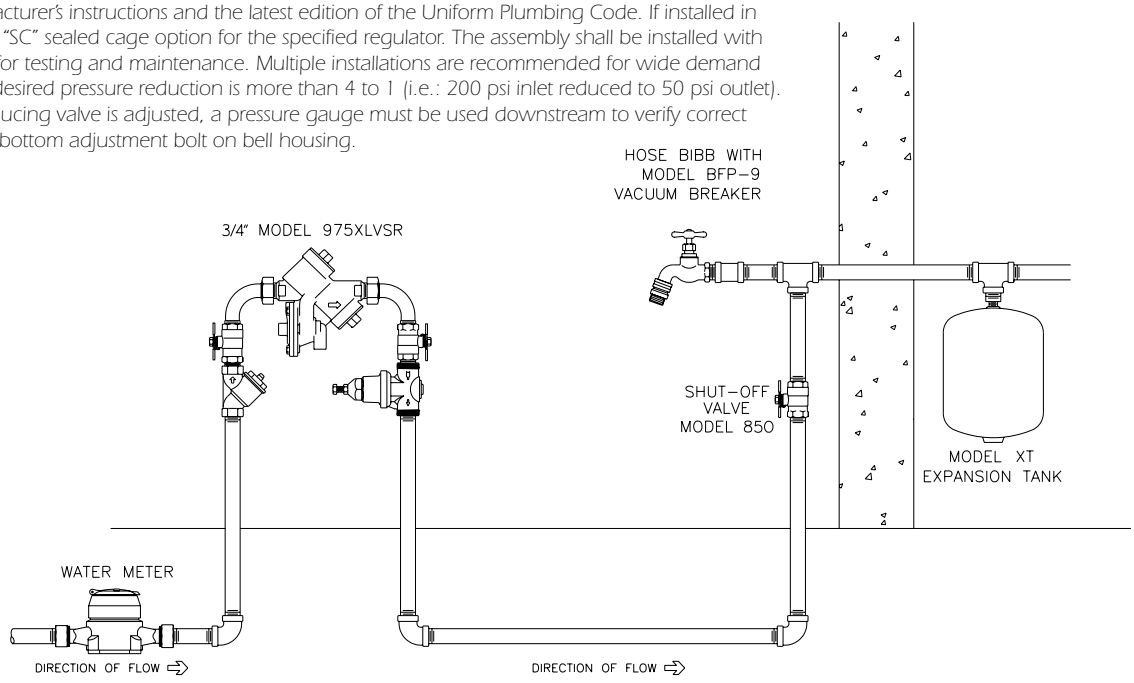
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Water hammer arrestor (Model 1250)
- ❑ Quick test set (QT-SET)
- ❑ Ball valve handle locks (BVHL)
- ❑ Test cock lock (Model TCL24)
- ❑ Ball valve monitor switch (Model BVMS)

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with manufacturer's instructions and the latest edition of the Uniform Plumbing Code. If installed in a pit or vault, specify the "SC" sealed cage option for the specified regulator. The assembly shall be installed with sufficient side clearance for testing and maintenance. Multiple installations are recommended for wide demand variations or where the desired pressure reduction is more than 4 to 1 (i.e.: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge must be used downstream to verify correct pressure setting. Do not bottom adjustment bolt on bell housing.



OUTDOOR INSTALLATION

Backflow Preventers

Reduced Pressure Principle 375A/375 Series

Pat. No. 5,913,331

Model 375ABGVIC

Applications

The voice of the customer told Wilkins loud and clear that there was a need for lighter weight and lower head loss when it came to reduced pressure principle assemblies. Wilkins answered the challenge with the release of the 375A / 375 series reduced pressure principle assemblies. Ductile iron body construction drastically reduced the weight that is normally associated with gray iron bodies, and the patented Compound Check® took head loss to lows not previously seen with a center-stem guided check. The 375A, with its grooved body connections, and the 375, with is flanged body connection are available with gate and butterfly shut-off valves. Designed to protect against backpressure and backsiphonage in a high hazard application, both the 375A and 375 are available with flanged and grooved terminating ends.

Features

- **375A 2½", 3", 4", 6", 8", 10"**
  375 2½", 3", 4", 6", 8", 10"
- Reduced pressure principle backflow preventer consisting of a pressure differential relief valve located between two independently operated spring-loaded center guided check valves
- Complete with two flange-ended non-rising stem resilient wedge gate valves and four resilient seated ball valve test cocks
- Lightweight, thin wall, epoxy-coated ductile iron
- Check components are made from lead-free engineered plastics and stainless steel
- No threads or taps in body or cover, eliminating exposure to corrosion
- Single access cover reduces down time
- Relief valve located on bottom of valve with test cocks facing up – Allows for easy installation and repair
- Temperature range 33°F – 140°F
- Maximum pressure 175 psi
- ASSE® Listed 1013, UL® Classified, FM® Approved, AWWA Compliant, C-UL® Classified, CSA® Certified (2½" – 8"), IAPMO® Listed (2½" – 8")
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (375ABGVIC 2½" to 8")

Options

Model 375	Flanged body, NRS gate valves
Model 375A	Grooved body, with grooved by flanged NRS gate valves
Model 375L	Flanged body, less gate valves
Model 375AL	Grooved body, less gate valves
Model 375G	Flanged body, with flanged by grooved NRS gate valves
Model 375AG	Grooved body, with grooved by grooved NRS gate valves
Model 375OSY	Flanged body, with flanged by flanged OS&Y gate valves
Model 375AOSY	Grooved body, with grooved by flanged OS&Y gate valves
Model 375OSYG	Flanged body, with flanged by grooved OS&Y gate valves
Model 375AOSYG	Grooved body, with grooved by grooved OS&Y gate valves
Model 375FG	Flanged body, with flanged inlet connection and grooved outlet connection, NRS gate valves
Model 375AFG	Grooved body, with flanged inlet connection and grooved outlet connection, NRS gate valves
Model 375FSC	Same as 375 except supplied with an epoxy coated flanged wye strainer
Model 375AFSC	Same as 375A except supplied with an Epoxy coated flanged wye strainer
Model 375PI	Flanged body supplied with post indicator valve
Model 375API	Grooved body supplied with post indicator valve.
Model 375ABGVIC	Grooved body, with grooved by grooved, tampered Victaulic® butterfly valves

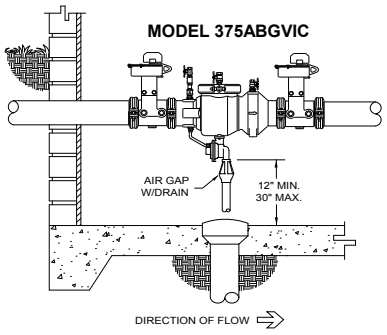
To create a part number to fit your needs, see page 3 for an example. For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Soft seated check valve (Model 40XL)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)

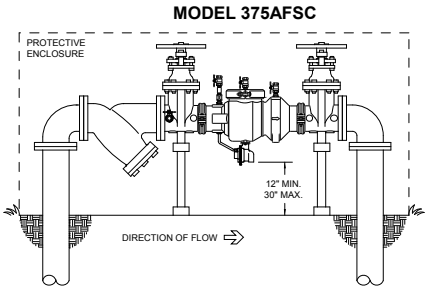
Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



INDOOR INSTALLATION

375FSC



OUTDOOR INSTALLATION

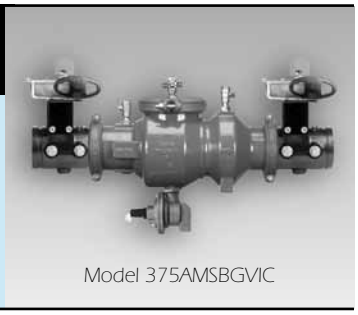
X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES
375	994, 957	4D-200	860, 867	4000SS, 400 Maxim & Colt

Backflow Preventers

Reduced Pressure Principle 375MS/375AMS

Pat. No. 5,425,393 and 5,913,331



Model 375AMSBGVIC

Applications

Building on the superior characteristics of the 375A / 375 reduced pressure principle series is the 375AMS and 375MS. Provided with a monitor switch in the relief valve, the MS series, when connected to the proper electrical circuit, will provide confirmation that the relief valve is in a discharging condition. This is a highly useful configuration where the assembly may be installed in a remote location, and the discharge could cause catastrophic water damage. The 375AMS and 375MS are designed for high hazard application where preventing backpressure or backsiphonage is required.

Features

- **2 1/2", 3", 4", 6", 8", 10"**
- Reduced pressure principle backflow prevention valve assembly with integral relief valve monitor switch
- Same features as the 375A
- Completely sealed UL® recognized proximity switch factory installed – Normally open contacts, weather resistant housing and wiring leads ready for immediate installation to appropriate electrical circuit
- In the event of a backflow condition, the relief valve closes an electrical circuit, signaling that a possible relief valve discharge may be occurring
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California, ASSE®, CSA® (375AMSBGVIC 2 1/2" – 8")
- UL® listed, C-UL® listed, FM® Approved

Options

Model 375MS/375AMS	Flanged NRS x flanged NRS with RV monitor switch
Model 375MSFSC/375AMSFSC	With epoxy coated wye type strainer (flanged only)
Model 375MSG/375AMSG	With groove end gate valves
Model 375AMSBGVIC	Supplied with groove x groove body and grooved, tampered Victaulic® butterfly valves
Model 375MSFG/375AMSFG	With flanged inlet gate connection and grooved outlet gate connection.
Model 375MSL/375AMSL	Less shut-off valves
Model 375MSOSY/375AMSOSY	With OS&Y gate valves

For Additional Information, reference WK-BPC catalog or visit our web site.

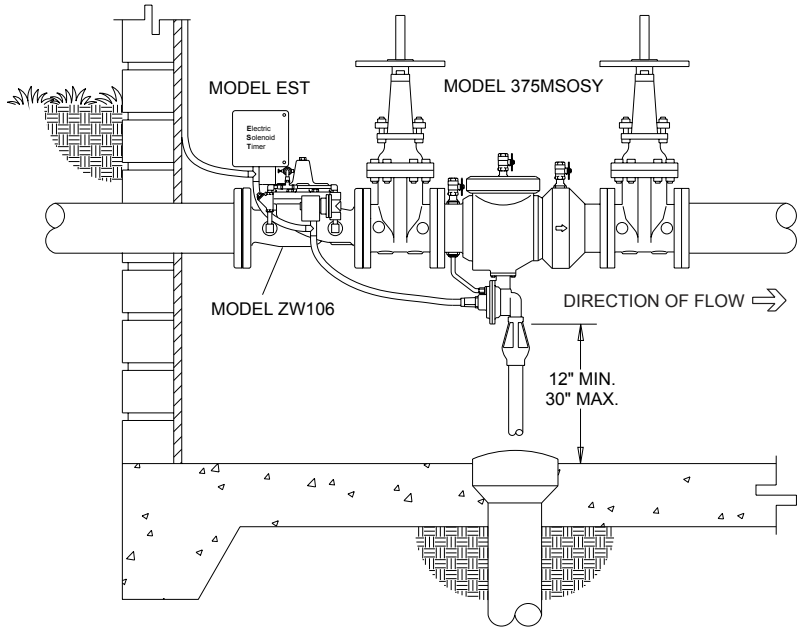
To create a part number to fit your needs, see page 3 for an example

Accessories

- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ OS&Y gate valve supervisory switch (OSY-40)
- ❑ Electronic solenoid timer (Model EST)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Solenoid control valve (ZW106)

Typical Installation

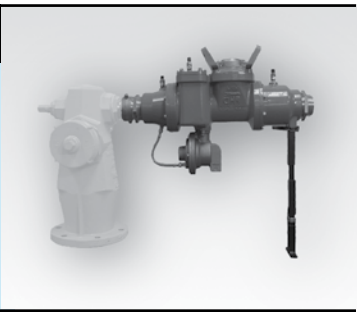
Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



375MS with ZW106 Solenoid Control Valve and EST Electronic Solenoid Timer

Backflow Preventers

Hydrant Backflow and Meter Combination RPHBM



Applications

The Wilkins RPHBM was designed to help water purveyors increase income through the accurate measurement of water while protecting the potable water supply at the same time. Designed to measure the quantity of water used in temporary installations such as connection to a fire hydrant, RPHBM allows for rapid refill of water trucks used for job site dust abatement and soil compaction. Equipped with 2 – 1/2" fire hydrant inlet, and a 2 – 1/2" fire hose outlet, the RPHBM can hit intermittent flow rates as high as 650 gpm in a short, light-weight package. The RPHBM is designed to provide backpressure and backsiphonage protection where a health hazard exists, while allowing the water purveyor to accurately determine that amount of water used for proper billing.

Features

- **3"**
- Consists of a 3" hydrant meter and 3" check valves allowing for increased flow up to 650 gpm as compared to 2" check valves with a capacity of 250 gpm
- Single body construction. Water meter plus reduced pressure principle backflow preventer encased in a single body design
- Unitized a lightweight exterior epoxy powder-coated (blue) hard-anodized aluminum body design results in a short lay length (26 1/2") and light weight (54 lbs) product ideal for temporary installations
- Integral inlet screen to protect against damage by larger debris
- Lifting handles allow for quick installation to fire hydrant
- Includes adjustable support stand for positive support
- 2 1/2" brass inlet swivel fitting for fast installation
- Class II turbine-type meter ensures accurate measurement
- Straightening vanes for accurate meter measurement
- Meets the requirements of ANSI/AWWA C701-88 class II (for meter only)
- Max intermittent flow rate 650 gpm
- Max continuous flow rate 450 gpm
- Min flow rate 2 1/2 gpm
- Maximum working pressure 175 psi
- Max temperature 140°F

Accessories Options

RPHBM	2 1/2" FNH Swivel x 2 1/2" MNH
RPHBMGV	Outlet slow closing shutoff valve
RPHBMCFM	With cubic foot meter

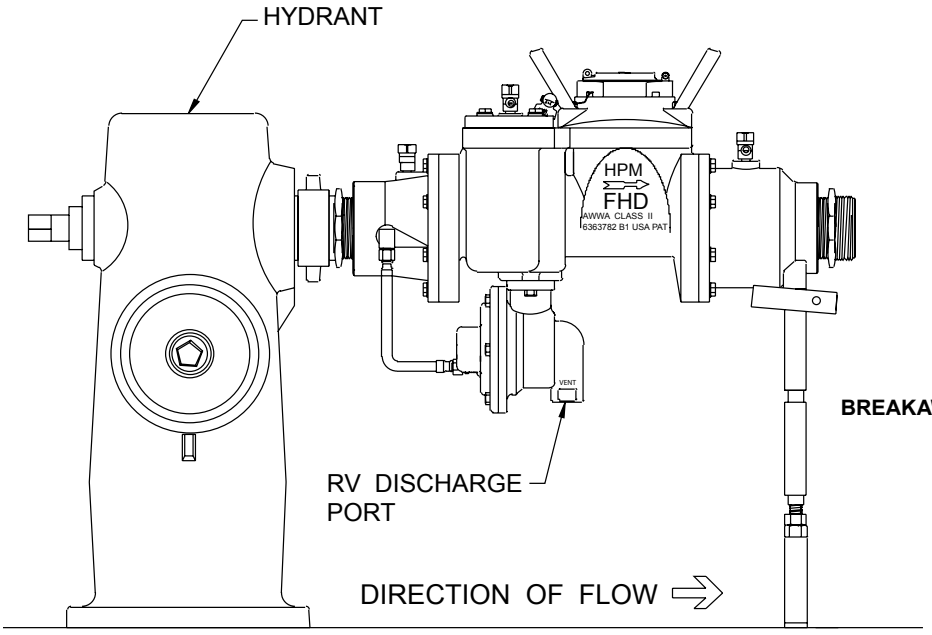
Many other options available, consult Wilkins.

For Additional Information, Ask For RPHBM or visit our web site.

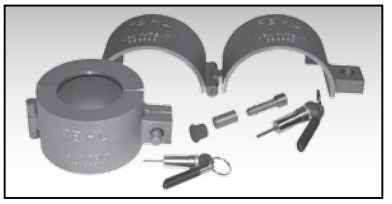
- ❑ Breakaway hydrant lock for barrel lock (BHLB)*
- ❑ Breakaway hydrant lock for padlock (BHLP)*
- ❑ Test cock lock (Model TCL24)

*Locks not included

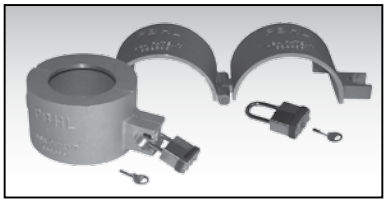
Typical Installation



OPTIONAL GATE VALVE (MODEL RPHBMGV)



BREAKAWAY HYDRANT LOCK FOR BARREL LOCK (MODEL BHLB)



BREAKAWAY HYDRANT LOCK FOR PADLOCK (MODEL BHLP)

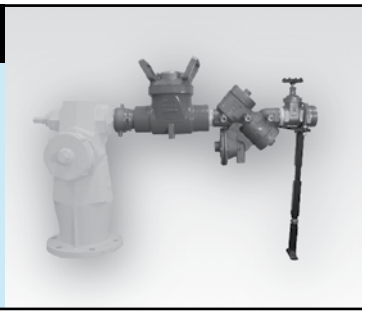
Tech Support: 855-ONE-ZURN
www.zurn.com

Backflow Preventers

Hydrant Backflow and Meter Valve 975XLHBM

Applications

The Wilkins 975XLHBM is designed to provide measurement of potable water from a temporary connection such as a fire hydrant. The 975XLHBM protects against both backpressure and backsiphonage of contaminants while accurately metering the volume for proper water billing. This will ensure that the water purveyor has a protected potable supply while also generating income due to accurate metering and assembly rental. The 975XLHBM is equipped with 2 – 1/2" fire hydrant inlet and 2 – 1/2" fire hose outlet and is capable of a maximum intermittent flow rate of 250 gpm.



Features

- **2"**
- Maximum working water pressure 175 psi
- Maximum working water temperature 180°F
- Hydrostatic test pressure 350 psi
- Maximum intermittent flow rate of 250 gpm
- Outlet shutoff valve allows for easy flow adjustment
- NSFHT adapters allow for connection to $2^{1}/_{2}$" fire hydrant (inlet) and $2^{1}/_{2}$" fire hose (outlet)
- Meets the design requirements of most national standards. Due to the portability of the assembly, there are no national approvals available

Accessories Options

975XLHBM With US gal. register (standard)
975XLHBMCFM With cu. ft. register
975XLHBMCMM With cu. meter register
975XLHBMLM Less water meter and inlet hose connection

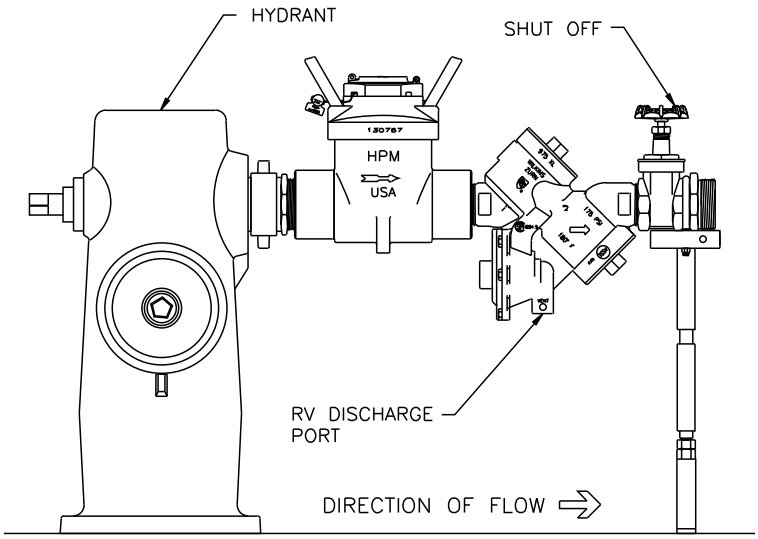
975XLHBML Less inlet and outlet hose connections

For Additional Information, Ask For 975XLHBM or visit our web site.

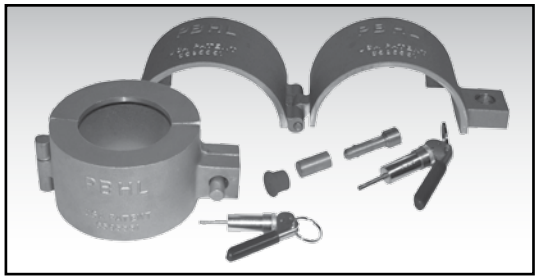
- ❑ Breakaway Hydrant Lock for barrel lock* (BHLB)
- ❑ Breakaway Hydrant Lock for padlock* (BHLP)
- ❑ Test cock lock (Model TCL24)

*Locks supplied by end user

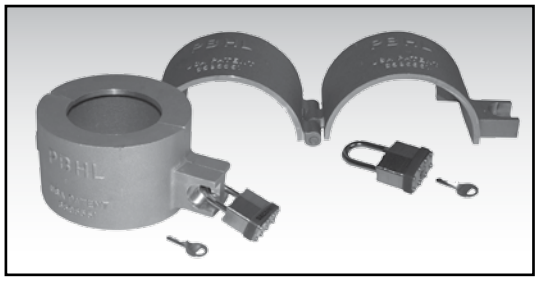
Typical Installation



TYPICAL INSTALLATION
MODEL 975XLHBM
HYDRANT BACKFLOW METER



BREAKAWAY HYDRANT LOCK FOR BARREL LOCK (MODEL BHLB)



BREAKAWAY HYDRANT LOCK FOR PADLOCK (MODEL BHLP)

Need to Save Space, Reduce Costs & Save Time?

We've Got You Covered!

REVOLUTIONARY

N-PATTERN

BACKFLOW PREVENTER

400 SERIES

Model 475

Model 450DA

- *Wilkins "N" pattern models reduce lay length by as much as 80% and allow smaller enclosure sizes saving additional dollars.*
- *When installed with a Valve Setter, Wilkins "N" pattern models eliminate the need for two elbows, two bolt packs, two valve support stanchions, forms, cement, and labor for thrust blocks and they use shorter spools.*
- *With simplified installation, the "N" pattern is easier to install, saving time & labor.*
- *Like all Wilkins 300 & 400 Backflow Preventers, the 400 "N" patterns allow better flow characteristics and low maintenance costs.*
- *Models include Reduced Pressure (475), RPDA (475DA), Double Check (450), Double Check Detector (450DA)*

Valve Setter

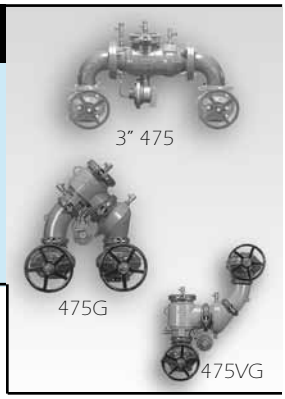
Call a Wilkins Sales Representative Today!

Customer Service Representatives available Monday through Friday 5:30 am to 5:00 pm PST.
Call: 877-222-5356 or 805-226-6297, info@zurnwilkins.com or visit us online at www.zurn.com

ZURN®
WILKINS

Backflow Preventers

Reduced Pressure Principle 475/475V Series Pat. No. 5,913,331



Applications

The Wilkins 475 / 475V series reduced pressure principle assemblies are the perfect answer for cramped installations that rule out a traditional horizontal valve. The 475, with its "N" pattern design, is the perfect valve for use in retrofit applications where a horizontal valve will just not fit. The 475V allows for a vertical up-up flows, and can be situated in very small closets or mechanical rooms. Both valves offer the low head loss provided by the patented Wilkins Compound Check®, while providing high hazard protection against both backsiphonage and backpressure. Using the valve setter, installation is simple and easy and very cost-effective.

Features

- **2 1/2", 3", 4", 6", 8", 10"**
- Reduced pressure principle backflow preventer consisting of a pressure differential relief valve located between two independently operated spring-loaded center guided check valves
- Available in up/down (475) or up/up (475V) configuration
- Complete with two flange-ended non-rising stem full port grooved by flanged end gate valves and four resilient seated ball valve test cocks
- Lightweight, ductile iron construction with FDA approved fusion epoxy coat inside and out
- Utilizes a patented center-stem guided compound check™ closure (Pat. No. 5,913,331)
- Modular check design utilizing lead-free engineered plastic (Noryl®) and stainless steel
- Temperature range 33°F – 140°F
- Maximum pressure 175 psi
- 2 1/2" and 3" sizes use 375 with 90° elbows
- ASSE® Listed 1013, UL® Classified, FM® Approved, C-UL® Classified, IAPMO® Listed, CSA® Certified, AWWA Compliant
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 475	Flange x flange, NRS gate valves
Model 475L	Less gate valves (grooved body connections).
Model 475G	Grooved end NRS gate valves
Model 475FG	Flanged inlet NRS gate connection and grooved NRS outlet gate connection
Model 475OSY	Flanged end OS&Y (outside stem and yoke) gate valves. For fire protection applications
Model 475OSYG	Grooved end OS&Y gate valves
Model 475PI	Supplied with post indicator gate valves
Model 475V	Vertical configuration (flow up)
Model 475VG	Same as 475V except with grooved end NRS gate valves (vertical configuration)
Model 475VFG	Same as 475V except with flanged inlet NRS gate connection and grooved outlet gate connection (vertical configuration)
Model 475VPI	Same as 475V except supplied with post indicator gate valves
Model 475BGVIC	Supplied with groove x groove tampered Victaulic® butterfly valve (4" – 8")
Model 475VBGVIC	Same as 475BGVIC except vertical configuration (4" – 8")

To create a part number to fit your needs, see page 3

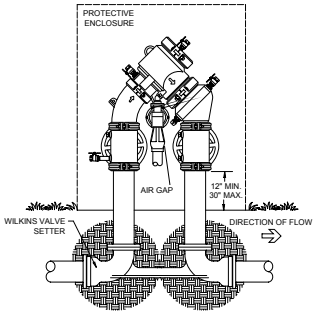
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

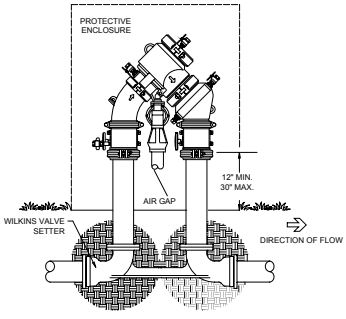
- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Valve setter (Model FLS or MJS or MJFS)
- ❑ OS&Y gate valve supervisory switch (OSY-40)
- ❑ Soft seated check valve (Model 40XL)
- ❑ Electronic Solenoid Timer (Model EST)
- ❑ Solenoid control valve (ZW106)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)

Typical Installation

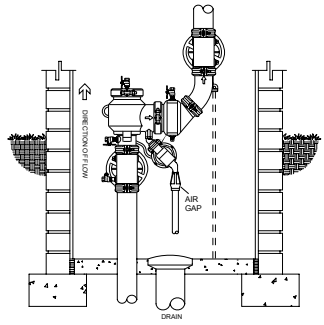
Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



OUTDOOR INSTALLATION
MODEL 475G



OUTDOOR INSTALLATION
MODEL 475BGVIC



VERTICAL INSTALLATION
MODEL 475VG

X Ref

WILKINS	FEBCO
475	880
475V	880V

Backflow Preventers

Reduced Pressure Principle Detector Assembly
375ADA/375DA Series Pat. No. 5,913,331

(375ADABGVIC shown)

Applications

When the fire protection professional demands a reduced pressure detection assembly with low head loss and end connection flexibility, the Wilkins 375ADA / 375DA series RPDA's are the preferred choice. Offered with either OS&Y or tamper switch equipped butterfly shut-off valves, Wilkins make installation easier with the choice of grooved or flanged end connections. Designed to protect against high hazard backpressure or backsiphonage conditions in unmetered fire lines, the 375ADA / 375DA Series provides low head loss with Wilkins patented Compound Check®. In addition to low head loss, the ductile iron body provides low weight & uncompromising strength for those challenging fire protection installations.

Features

- **375ADA 4", 6", 8", 10"**
  375DA 2 1/2", 3", 4", 6", 8", 10"
- Reduced pressure principle backflow preventer consisting of a pressure differential relief valve located between two independently operated spring-loaded center guided check valves, inlet and outlet flange-ended OS&Y resilient wedge gate valves and four full port resilient seated test cocks
- The by-pass assembly consists of a water meter in series with a reduced pressure principle backflow preventer
- For use in fire line services
- Modular check design utilizing lead-free engineered plastic (Noryl®) and stainless steel
- Temperature range 33°F – 140°F
- Maximum pressure 175 psi
- Available with CFM water meter.
- ASSE® Listed 1047 375DA (4" – 8"), UL® Classified, FM® Approved, C-UL® Classified
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (375ADABGVIC 4" – 8")

Options

Model 375ADA	Flanged OS&Y x flanged OS&Y
Model 375ADAL	Grooved body, less gate valves
Model 375ADAG	Grooved body, with grooved X grooved OS&Y gate valves
Model 375ADAFG	Grooved body, with flanged inlet OS&Y gate valve and grooved outlet OS&Y gate valve
Model 375ADAPI	Grooved body supplied with Post Indicator Valve
Model 375ADABGVIC	Grooved body, with grooved by grooved tampered Victaulic® butterfly valves (2 1/2" – 8")
Model 375DA	Flanged OS&Y x flanged OS&Y gate valve
Model 375DAFG	Flanged body, with flanged inlet OS&Y gate valve and grooved outlet OS&Y gate valve
Model 375DAL	Flanged body, less gate valves
Model 375DAG	Flanged body, with flanged X grooved OS&Y gate valves
Model 375DAPI	Flanged body supplied with post indicator valve
CFM	With cubic feet meter
SCFM	With Sensus cubic feet meter

To create a part number to fit your needs, see page 3.

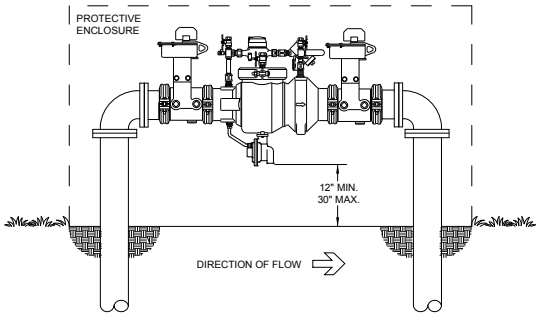
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

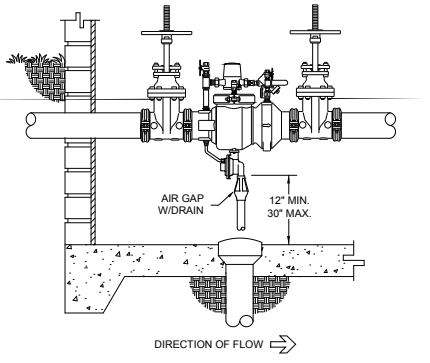
- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ OS&Y gate valve supervisory switch (OSY-40)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



OUTDOOR INSTALLATION
MODEL 375ADABGVIC



INDOOR INSTALLATION
MODEL 375ADAG

X Ref

WILKINS	WATTS	AMES
375DA	994RPDA, 975RPDA	5000SS, 500 Maxim & Colt

Backflow Preventers

Reduced Pressure Principle Detector Assembly

475DA/DAV Series Pat. No. 5,913,331

Applications

Many fire suppression systems require their components to be installed in less than perfect locations. Cramped closets and overflowing mechanical rooms do not leave much room for a traditional, horizontal reduced pressure detector assembly. The 475DA and 475DAV were designed to solve this problem. The 475DA, with its "N" pattern design, and the 475DAV for vertical up-up flows provide compact backpressure and backsiphonage protection in high hazard fire protection applications. The 475DA / 475DAV series utilize the highly repeatable and low head loss generating Compound Check®, and are up to the challenge that any high hazard fire suppression system may present.

Features

- **4", 6", 8", 10"**
- Reduced pressure principle backflow preventer consisting of a pressure differential relief valve located between two independently operated spring-loaded center guided check valves
- Complete with two flange-ended OS&Y (grooved X flanged end) gate valves (for fire protection applications) and four full port resilient seated test cocks
- Available in up/down (475DA) or up/up (475DAV) configuration
- The by-pass assembly consists of a water meter in series with a reduced pressure principle backflow preventer
- Lightweight, ductile iron construction with FDA approved fusion epoxy coat inside and out
- Utilizes a patented center-stem-guided compound check™ closure (Pat. No. 5,913,331)
- Modular check design utilizing lead-free engineered plastic (Noryl®) and stainless steel
- Temperature range 33°F – 140°F
- Maximum pressure 175 psi
- ASSE® Listed 1047 (4" – 8"), UL® Classified, C-UL® Classified, FM approved (4" – 8")
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (sizes 4" – 8")

Model 475DA Flanged OS&Y x Flanged OS&Y

Options

Model 475DABGVIC	Supplied with groove x groove, tampered Victaulic® butterfly valves
Model 475DAFG	Flanged inlet OS&Y gate connections and grooved outlet OS&Y gate connection
Model 475DAG	Groove by groove OS&Y gate valves
Model 475DAL	Less OS&Y shutoffs (grooved body connections)
Model 475DALM	Less water meter
Model 475DAPI	Supplied with post indicator gate valves
Model 475DAV	Same as 475DA but in vertical configuration
Model 475DAVBGVIC	Same as 475DABGVIC but in vertical configuration (4" – 8")
Model 475DAVFG	Same as 475DAV except with flange by groove inlet OS&Y gate valve and groove by groove outlet OS&Y gate valve (vertical configuration)
Model 475DAVG	Same as 475DAV except with groove by groove OS&Y gate valves
Model 475DAVPI	Supplied with post indicator gate valves
CFM	With cubic feet meter
SCFM	With Sensus cubic feet meter

To create a part number to fit your needs, see page 3.

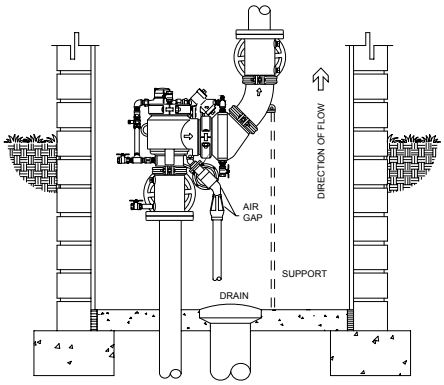
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

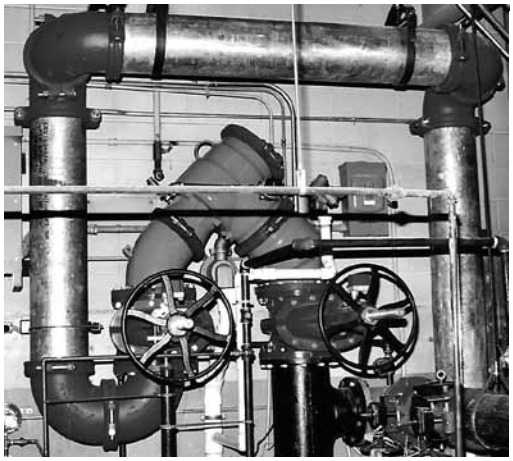
- ❑ Air gap (Model AG)
- ❑ Thermal expansion tank (Model XT)
- ❑ Valve setter (Model FLS or MJS or MJFS)
- ❑ OS&Y gate valve supervisory switch (OSY-40)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)

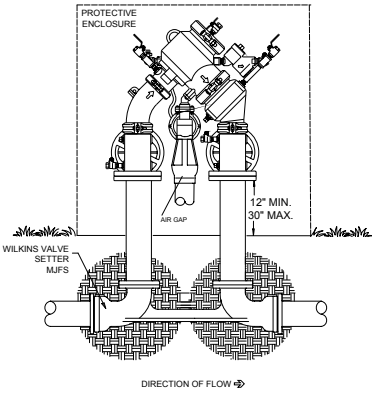
Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



VERTICAL INSTALLATION
MODEL 475DAV





OUTDOOR INSTALLATION
MODEL 475DA

Backflow Preventers

Dual Check Valve 700 Series

Applications

The Wilkins model 700 dual check is an economical way of providing backflow protection against backpressure and backsiphonage in low hazard applications. The 700's tubular design houses two in-line checks and is available in several end connection configurations. The 700 is perfectly suitable for providing isolation protection and is available in sizes of 1/4" to 1".

Features

- **1/4", 3/8", 1/2", 3/4", 1"**
- Dual check valve backflow preventer consisting of two independently operated in-line spring-loaded check valves
- Bronze body construction
- Corrosion-resistant internal parts
- Includes two in-line cartridge check modules
- Single union standard on inlet of all models
- May be installed vertically or horizontally
- Rough chrome finish available
- BSP threads available on some models
- Maximum temperature 180°F
- Maximum pressure 175 psi
- ASSE® Listed 1024, CSA® Certified
- Consult your local Wilkins representative or factory for additional configurations

Options

700 FNPT (female) threaded union inlet connection (standard)

700C FC (female) copper sweat union inlet connection

700CM CM (male) copper sweat union inlet connection

700DU Union meter inlet and union outlet.

700FM FMTC (female) meter thread union inlet connection

700M MNPT (male) threaded union inlet connection

For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

❑ Thermal expansion tank (Model XT)

❑ Shut-off valve with integral thermal expansion relief valve (Model BVEC)

Configurations

MALE UNION INLET X MALE OUTLET		
INLET (UNION)	OUTLET	PART NUMBER
1" MNPT	1" MNPT	1UMX1M-700

FEMALE UNION INLET X MALE OUTLET		
INLET (UNION)	OUTLET	PART NUMBER
3/4" FNPT	3/4" MNPT	34UFX34M-700
3/4" FNPT	3/4" MMTC	34UFX34MM-700
3/4" FMTC	3/4" MNPT	34UFMX34M-700
3/4" FMTC	3/4" MMTC	34UFMX34MM-700
3/4" FNPT	1" MMTC	34UFX1MM-700
3/4" FMTC	1" MNPT	34UFMX1M-700
1" FNPT	1" MNPT	1UFX1M-700
1" FNPT	1" MMTC	1UFX1MM-700
1" FMTC	1" MNPT	1UFMX1M-700
1" FMTC	1" MMTC	1UFMX1MM-700
1" FNPT	3/4" MNPT	1UFX34M-700
1" FNPT	3/4" MMTC	1UFX34MM-700
1" FMTC	3/4" MNPT	1UFMX34M-700
1" FMTC	3/4" MMTC	1UFMX34MM-700

FEMALE "METER" UNION INLET X MALE UNION		
INLET (UNION)	OUTLET (UNION)	PART NUMBER
1" FMTC	1" MNPT	1UFMX1UM-700

FEMALE UNION "COPPER SWEAT" INLET X MALE		
INLET (UNION)	OUTLET	PART NUMBER
3/4" FC	3/4" MNPT	34UFCX34M-700
3/4" FC	1" MNPT	34UFCX1M-700
1" FC	1" MNPT	1UFCX1M-700

FEMALE UNION INLET X FEMALE OUTLET		
INLET (UNION)	OUTLET	PART NUMBER
3/4" FNPT	3/4" FNPT	34UFX34F-700
3/4" FMTC	3/4" FNPT	34UFMX34F-700
1" FNPT	1" FNPT	1UFX1F-700
1" FNPT	3/4" FNPT	1UFX34F-700
1" FMTC	1" FNPT	1UFMX1F-700
1" FMTC	3/4" FNPT	1UFMX34F-700

FEMALE "METER UNION INLET X FEMALE UNION		
INLET (UNION)	OUTLET (UNION)	PART NUMBER
1" FMTC	3/4" FNPT	1UFMX34UF-700
1" FMTC	1" FNPT	1UFMX1UF-700
1" FMTC	1" FMTC	1UFMX1UFM-700

FEMALE UNION INLET X FEMALE OUTLET		
INLET (UNION)	OUTLET	PART NUMBER
1/4" FNPT	1/4" FNPT	14UFX14F-700
3/8" FNPT	3/8" FNPT	38UFX38F-700
1/2" FNPT	1/2" FNPT	12UFX12F-700
1/2" FC	1/2" FC	12UFCX12FC-700

FEMALE UNION INLET X FEMALE OUTLET		
INLET (UNION)	OUTLET	PART NUMBER
1/4" FNPT	1/4" FNPT	14UFX14F-700
3/8" FNPT	3/8" FNPT	38UFX38F-700
1/2" FNPT	1/2" FNPT	12UFX12FC-700
1/2" FC	1/2" FC	12UFCX12FC-700

FEMALE UNION "COPPER SWEAT" INLET X FEMALE		
INLET (UNION)	OUTLET	PART NUMBER
3/4" FC	3/4" FNPT	34UFCX34F-700
3/4" FC	1" FNPT	34UFCX1F-700
1" FC	1" FNPT	1UFCX1F-700
1" FC	3/4" FNPT	1UFCX34F-700

X Ref

WILKINS	WATTS	CONBRACO	FEBCO	AMES
700	7,7C, CU7	40-300, 4N-300	510	20, CU20

Backflow Preventers

Dual Check Valve 705 Series

Applications

The Wilkins model 705, with its lead free construction is the perfect valve to be used to protect against low hazard backpressure or backsiphonage in drinking water systems. Like the model 700, the 705's tubular design houses two in-line check valves and is a suitable valve for providing isolation protection. The Wilkins 705 is one of the most economical ways of preventing backflow.

Features

- **3/4", 1"**
- Dual check valve backflow preventer consisting of two independently operated in-line spring-loaded check valves
- Lead-free composite body construction
- Corrosion-resistant internal parts
- Includes two in-line cartridge check modules
- Single union standard on inlet of all models
- May be installed vertically or horizontally
- BSP threads available on some models
- Maximum temperature 180°F
- Maximum pressure 175 psi
- ASSE® Listed 1024, CSA® Certified
- California AB 1953 compliant
- Consult your local Wilkins representative or factory for additional configurations

Accessories Options

705 FNPT (female) threaded union inlet connection (standard)

705C FC (female) copper sweat union inlet connection

705CM CM (male) copper sweat union inlet connection

705FM FMTC (female) meter thread union inlet connection

705M MNPT (male) threaded union inlet connection

For Additional Information, reference WK-BPC catalog or visit our web site.

❑ Thermal expansion tank (Model XT)

❑ Shut-off valve with integral thermal expansion relief valve (Model BVEC)

Configurations

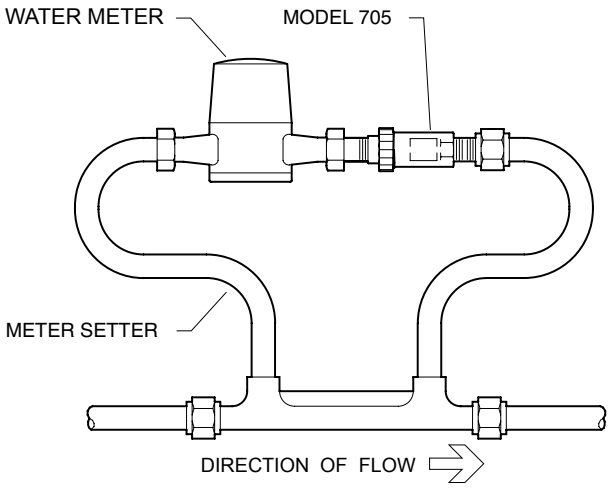
FEMALE UNION INLET X FEMALE OUTLET		
INLET (UNION)	OUTLET	PART NUMBER
3/4" FNPT	3/4" FNPT	34UFX34F-705
3/4" FMTC	3/4" FNPT	34UFMX34F-705
1" FNPT	1" FNPT	1UFX1F-705
1" FNPT	3/4" FNPT	1UFX34F-705
1" FMTC	1" FNPT	1UFMX1F-705
1" FMTC	3/4" FNPT	1UFMX34F-705

FEMALE UNION "COPPER SWEAT" INLET X FEMALE OUTLET		
INLET (UNION)	OUTLET	PART NUMBER
3/4" FC	3/4" FNPT	34UFCX34F-705
3/4" FC	1" FNPT	34UFCX1F-705
1" FC	1" FNPT	1UFCX1F-705
1" FC	3/4" FNPT	1UFCX34F-705

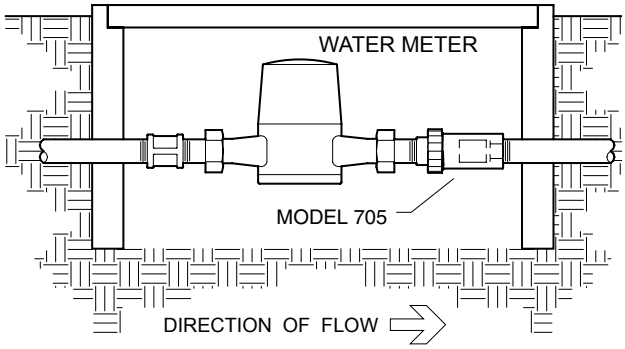
MALE UNION INLET X FEMALE OUTLET		
INLET (UNION)	OUTLET	PART NUMBER
1" MNPT	1" FNPT	1UMX1F-705

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the Model 705 shall be mounted with sufficient side clearance for maintenance.



METER SETTER INSTALLATION



PIT INSTALLATION

Backflow Preventers

Dual Check Valve 950LF Series

Applications

In order to answer the need of the fire sprinkler installer, Wilkins introduced the 950LF dual check for use in residential and commercial, small scale fire protection systems. Equipped with female end connections, the 950LF lends itself to rapid, easy installation. All of the internal components are the same used in the 950XL, so you are assured that the 950LF will provide excellent low hazard protection against both backpressure and backsiphonage.

Features

- **3/4", 1", 1 1/4", 1 1/2", 2"**
- Dual check valve backflow preventer consisting of two independently operated spring-loaded center guided check valves in wye pattern
- Designed for fire sprinkler systems
- Bronze body construction
- Female NPT inlet and outlet connections
- Complete with three resilient seated ball valve test cocks
- Entire unit serviceable in line
- Temperature range 33°F – 180°F
- Maximum pressure 175 psi
- Shut-off valve option available
- ASSE® Listed 1024 (horizontal/vertical), CSA® Certified (horizontal/vertical), UL® Classified as to friction loss and body strength only, C-UL® Classified (horizontal)
- Complies with NFPA 13D for flow requirements to residential fire sprinklers (3 heads)

Accessories Options

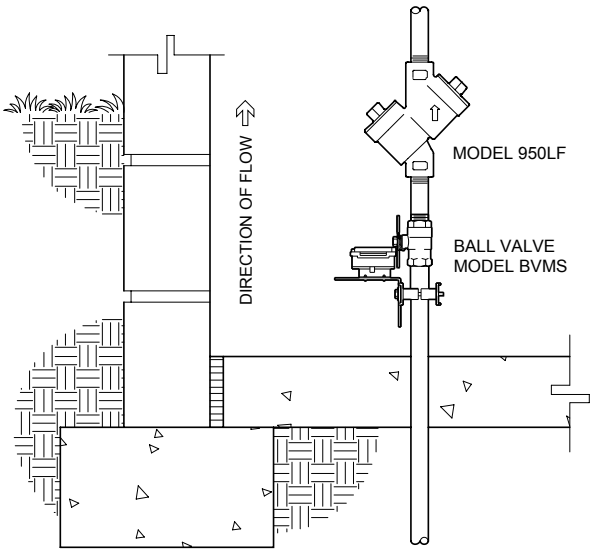
Model 950LF	FNPT x FNPT end connections
Model 950LLF	Less test cocks

For Additional Information, reference WK-BPC catalog or visit our web site.

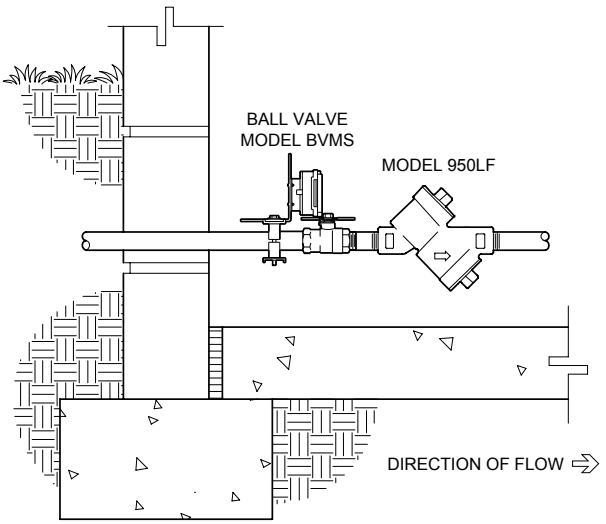
❑ Quick test set (QT-SET)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drain and sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



TYPICAL VERTICAL INSTALLATION



TYPICAL HORIZONTAL INSTALLATION

Backflow Preventers

Dual Check with Atmospheric Vent 760 Series

Applications

Designed for installation on boiler fill water lines to protect against both backsiphonage and backpressure of polluted water into the potable water supply. Assembly shall provide protection where a potential health hazard does not exist.

Features

- **1/2", 3/4"**
- Continuous pressure type backflow preventer with threaded atmospheric vent drain
- Consists of two independently operated spring-loaded check valves with intermediate atmospheric vent
- Brass body construction
- Integral stainless steel screen
- Corrosion-resistant internal parts
- Union connections both ends; available with FNPT or copper connections
- Temperature range 33°F – 210°F
- Maximum pressure 175 psi
- ASSE® Listed 1012, CSA® Certified

Accessories Options

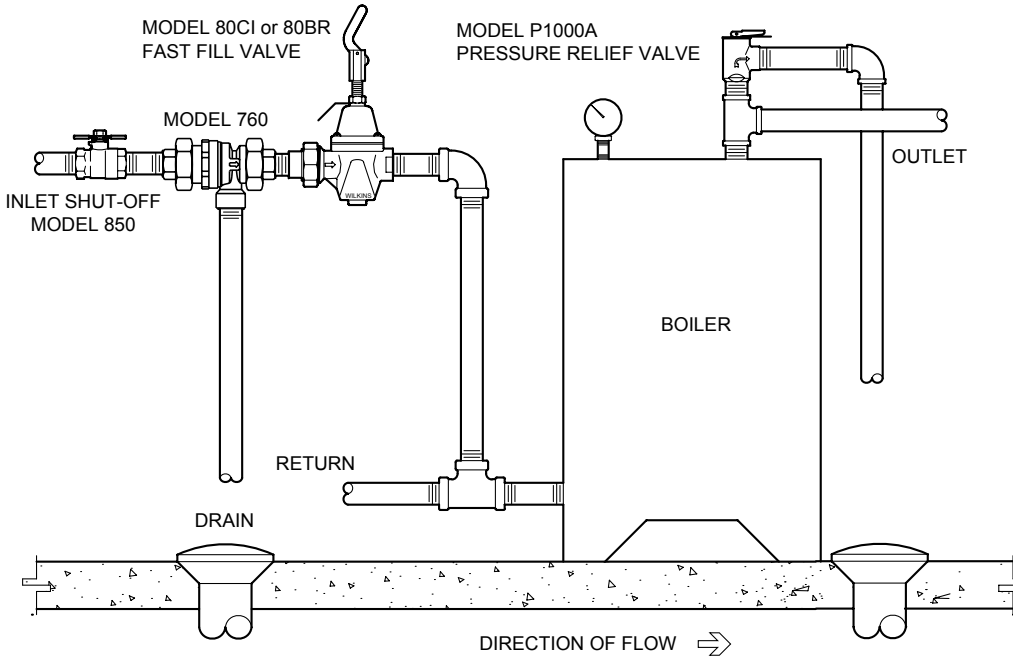
Model 760	FNPT x FNPT end connections
Model 760C	Same as 760 except with female copper sweat connection
Model 876	Model 80BR fast fill regulator combined with Model 760 dual check backflow preventer with atmospheric vent
Model 876CI	Model 80CI (cast iron) fast fill regulator combined with Model 760 dual check backflow preventer with atmospheric vent

For Additional Information, reference WK-BPC catalog or visit our web site.

- ❑ Fast fill regulator (80CI & 80BR)
- ❑ Hydronic expansion tank (HXT)
- ❑ Pressure relief valve (P1000A or P300BR)

Typical Installation

Under certain conditions, the Model 760 will spill water from the vent port. WARNING: Provisions must be made to collect this spillage through an air gap or other means. The vent port should never be directly piped into a drainage ditch, sewer or pump. Under no circumstances should the vent port or drain line be plugged. Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. The installation shall be made so that no part of the unit can be submerged.



X Ref

WILKINS	WATTS	CONBRACO	FEBCO	CASH-ACME
760	9D	40-400	815	BFP

Backflow Preventers

Backflow Preventer for Vending Machine Water Supply
Model 740

Applications

Designed for installation on carbonated beverage dispensing systems, as well as non-carbonated systems, to prevent carbon dioxide (CO_2) gas or carbonated water from coming in contact with copper potable water supply line. The 740's stainless steel construction ensures superior corrosion resistance for increased longevity.

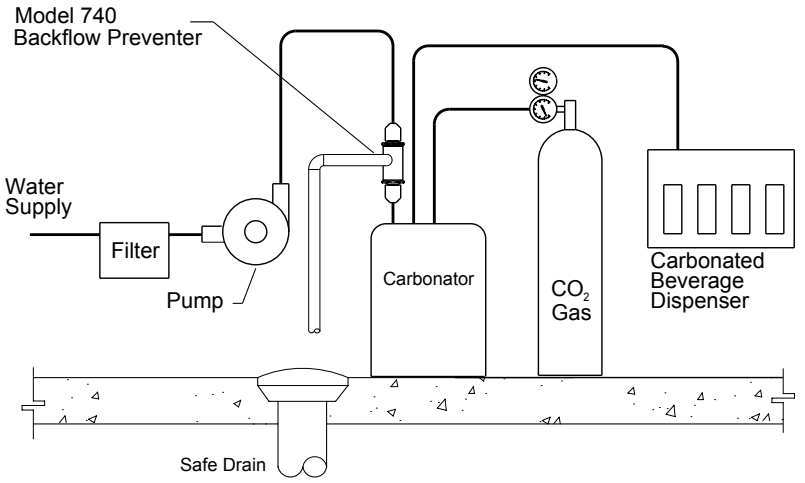
Features

- **3/8"**
- SAE J513 flare fitting threads inlet and outlet
- Designed for installation in vending machine water supply lines to prevent backflow of carbon dioxide and carbonated water into the potable supply
- Pressure rated to 150 psi
- Maximum temperature 130°F
- Consists of two spring loaded check valves with an atmospheric vent located between the two checks
- Quick acting check valves prevent unnecessary vent discharge
- Manufactured with 300 series stainless steel
- Silicon rubber check valve discs
- Stainless steel springs
- Stainless steel strainer screen provided on the inlet to prevent check fouling due to debris in the supply water line
- ASSE® Listed 1022
- California AB 1953 compliant

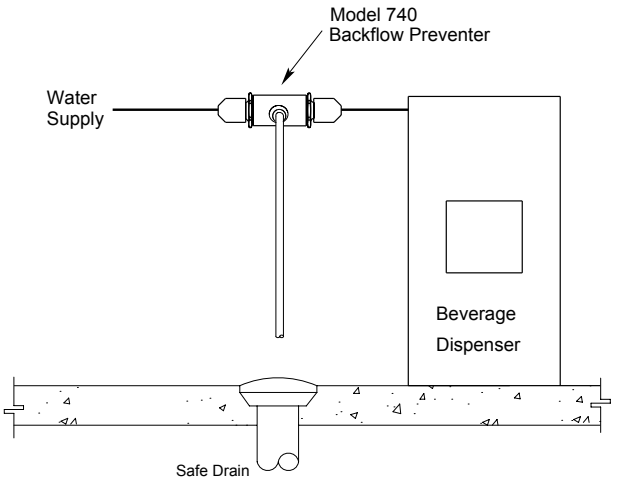
For Additional Information, reference WK-BPC catalog or visit our web site.

Typical Installation

The Model 740 can be installed in the horizontal or vertical position. Under certain conditions the Model 740 may discharge water from the vent port. Provisions must be made to ensure that discharge will not damage surrounding property or equipment. Copper tubing shall not be used downstream of the Model 740.



Carbonated Beverage System



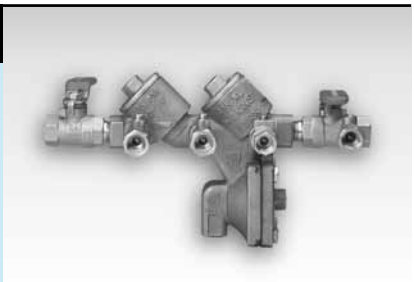
Non-Carbonated Beverage System

X Ref

WILKINS	WATTS	CONBRACO
740	SD-3, 9BD	4C-100

Backflow Preventers

Stainless Steel Reduced Pressure Principle 975XLST



Applications

Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 975XLST provides protection where a potential health hazard exists. The valve's stainless steel construction is ideal in those systems that utilize liquids corrosive to copper alloys. Potential applications include: medical diagnostic equipment, food processing, distilleries and breweries. Additionally, the 975XLST is ideal for applications requiring valves that are lead free.

Features

- **3/8", 1/2"**
- Stainless steel reduced pressure principle backflow prevention assembly
- Ideal for systems that use liquids that are corrosive to copper alloys
- Check components are made from lead-free engineered plastics (Noryl®) and stainless steel
- Full port ball valves (standard)
- Maximum working water pressure 175 psi
- Maximum working water temperature 180°F
- ASSE® Listed 1013
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California
- California AB 1953 compliant

Options

Model 975XLST FNPT x FNPT end connections
Model 975XLSTL Less shut-off valves

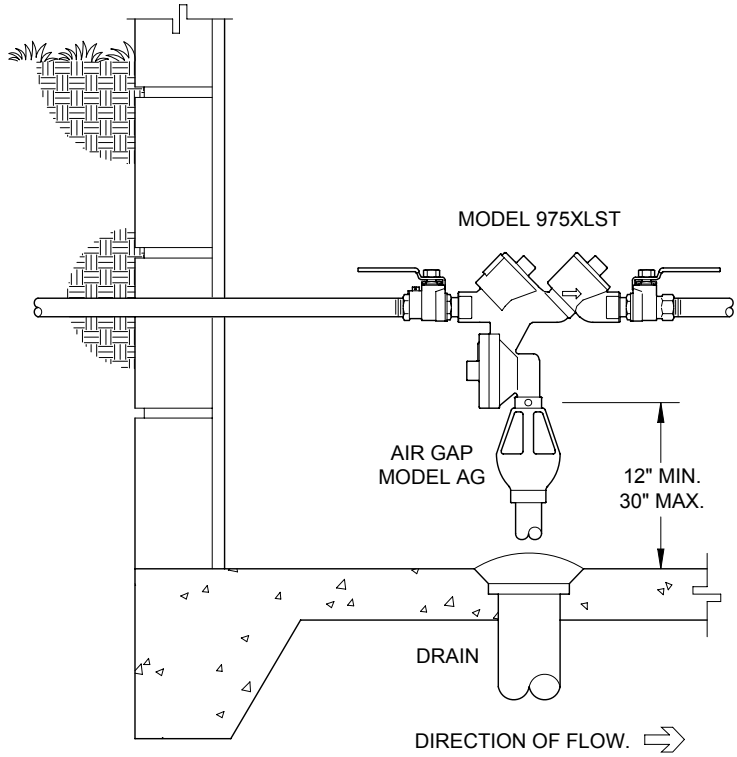
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

- ❑ Air gap (Model AG)
- ❑ Quick test set (QT-SET)
- ❑ Test cock lock (Model TCL24)
- ❑ Thermal expansion tank (Model XT)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged or where relief valve discharge could cause damage.



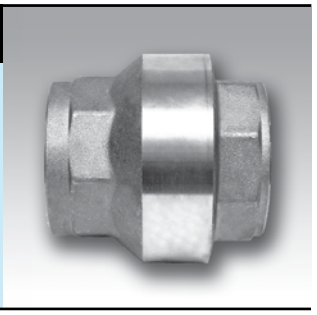
INDOOR INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO
975XLST	SS009	40-200-T2S

Backflow Preventers

In-Line Single Check Valve 40XL Series



Applications

Designed for installation on potable domestic and commercial water systems such as well pump systems and applications requiring tight seating. For use as a positive backstop to eliminate reduced pressure principle backflow preventer discharge caused by pressure fluctuations or water hammer. Its low-lead design makes the model 40XL perfectly suitable for drinking water applications.

Features

- **1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4"**
- Can be used to help eliminate reduced pressure backflow preventer supply pressure fluctuations or downstream water hammer conditions
- Soft seated slow closing check design
- Brass body construction
- Polyetherimide poppet and NBR rubber seat gasket
- Female NPT inlet and outlet connections
- Stainless steel spring
- May be installed in any position
- Rated at 200 psi, WOG@210°F
- NSF® Standard 61 Certified
- California AB 1953 compliant

Options

Model 40XL FNPT x FNPT end connections

Model 40XLHT with Viton® seal, 125 PSI steam rating, Temperature: 366°F

For Additional Information, reference WK-BPC catalog or visit our web site.

Wilkins...Your Water Control Valve Manufacturer.

ZURN®
WILKINS

Backflow Preventers

Single Check Valve Assembly 310 Series Pat. No. 5,913,331

Applications

Designed for installation on potable water connections in fire sprinkler systems to protect against both backsiphonage and backpressure of polluted water into the potable water supply. Assembly shall provide protection where a potential health hazard does not exist. The 310 can also be provided with metered bypass assembly to detect leaks or unauthorized use of water in the fire suppression system.

Features

- **4", 6", 8"**
- Single check valve consisting of an independently operated spring-loaded center guided check valve
- Lightweight, epoxy-coated ductile iron
- Modular check design utilizing lead-free engineered plastic (Noryl®) and stainless steel
- Temperature range 33°F – 140°F
- Maximum pressure 175 psi
- Check with local water authority for installation requirements
- FM® Approved, UL® Listed & C-UL® Listed (4" & 6")

Accessories Options

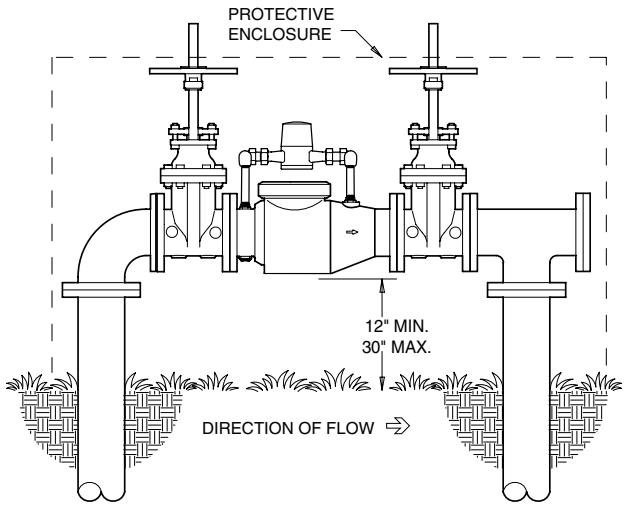
Model 310	Flanged x flanged connections
Model 310G	Grooved connections
Model 310OSY	Same as 310 except supplied with two resilient wedge OS&Y gate valves
Model 310DA	Supplied with metered bypass assembly
Model 310DAG	Same as 310G except supplied with metered bypass assembly
Model 310DALM	Same as 310DA without meter

For Additional Information, reference WK-BPC catalog or visit our web site.

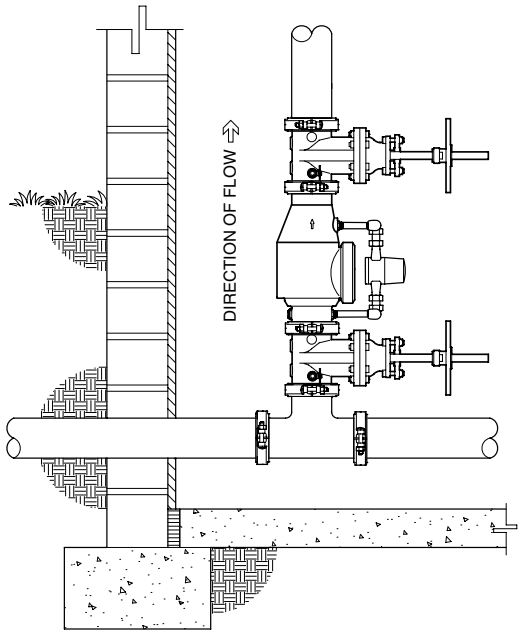
❑ Flange by groove adapter (FLA)

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



OUTDOOR INSTALLATION (310DAOSY)



VERTICAL INSTALLATION (310DAOSYG)

Backflow Preventers

Pressure Vacuum Breaker 420 Series

Applications

Designed for installation on potable water lines to protect against backsiphonage of contaminated water into the potable water supply. Supplied with an integral freeze relief valve to reduce the risk of valve damage under intermittent, non-seasonal freezing conditions. Designed for use under continuous pressure. Assembly shall provide protection where a potential health hazard exists.

Features

- **3/4", 1"**
- Pressure vacuum breaker consisting of an approved check valve, vacuum relief float, inlet and outlet full port resilient seated shut-off valves and two full port resilient seated ball valve test cocks
- Integral relief valve reduces the risk of valve damage under non-seasonal freezing conditions
- Drop-in replaceable seat
- Thermoplastic modular cartridge design
- All bronze body and corrosion-resistant internal parts
- Maximum pressure 175 psi
- Temperature range 33°F – 140°F
- With BSP threaded connections
- ASSE® Listed 1020, IAPMO® Listed, CSA® Certified
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 420	FNPT x FNPT end connections
Model 420FT	Supplied with fast-test test cocks
Model 420SH	Supplied with stainless steel handles

For Additional Information, reference WK-BPC catalog or visit our web site.

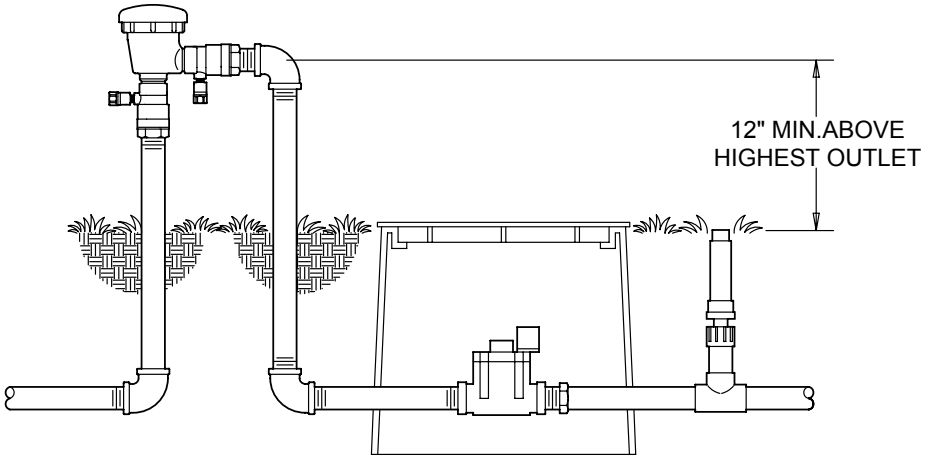
Accessories

- ❑ Water hammer arrester (Model 1250)
- ❑ ZW3 Winterizer (Model ZW3)
- ❑ Quick test set (QT-SET)

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. The assembly shall be mounted at a minimum of 12" (305mm) above the highest piping or outlet downstream of the device. Install with adequate drain and sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged. A pressure vacuum breaker cannot be installed where back-pressure could occur or where spillage of water from vent could cause damage.

MODEL 420



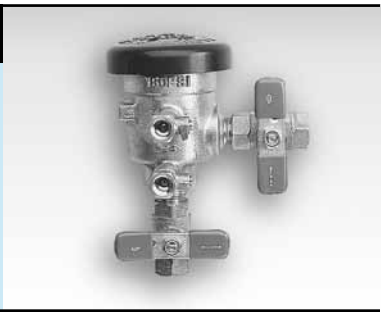
OUTDOOR INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO	FEBCO
420	800M4QTFR	4V-500	767FR

Backflow Preventers

Pressure Vacuum Breaker 720A Series



Applications

The Wilkins 720A pressure vacuum breaker is designed to prevent the backsiphonage of contaminated water from an irrigation system back into the potable supply. With its all bronze body & bonnet construction and the use of silicone elastomers internally, the 720A is a time-tested and solid design.

Features

- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Pressure vacuum breaker consisting of an approved check valve, vacuum relief float, inlet and outlet full port resilient seated ball valves for shut-off and two resilient seated ball valve test cocks
- With BSP threaded connections
- Bronze body & bonnet
- Temperature range 33°F – 110°F
- Maximum pressure 150 psi
- ASSE® Listed 1020, IAPMO® Listed, CSA® Certified
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Options

Model 720A FNPT x FNPT end connections

Model 720AL Less shut-off valves

Model 720ASH Supplied with stainless steel handles

Model 720AFT Supplied with fast-test test cocks

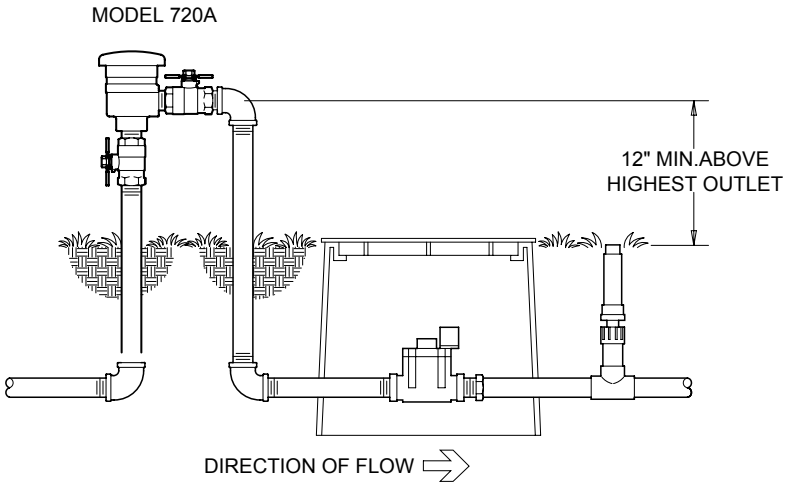
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

- ❑ ZW3 Winterizer
- ❑ Water Hammer Arrester (Model 1250)
- ❑ Quick test set (QT-SET)

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) above the highest piping or outlet downstream of the device. Install with adequate drain and sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged. A pressure vacuum breaker cannot be installed where back-pressure could occur or where spillage of water from vent could cause damage.



X Ref

WILKINS	WATTS	FEBCO
720A	800M4QT	765

Backflow Preventers

Spill Resistant Pressure Vacuum Breaker 460 Series

Applications

In some applications that require a pressure vacuum breaker, spillage from the PVB would be objectionable. The Wilkins 460 spill resistant vacuum breaker was created to prevent such spillage. Designed to prevent contamination of the potable supply due to backsiphonage, the 460's unique operation causes the air inlet to close before water passes the check valve. This operation makes the 460 resistant to leakage from the air vent during start-up. All internal components are in modular form, making the 460 an easily repaired assembly.

Features

- **3/8", 1/2", 3/4", 1"**
- Spill resistant feature for indoor use
- Maximum pressure 150 psi
- Temperature range 33°F – 180°F
- Hydrostatic test pressure 300 psi
- Easy maintenance - bonnet & seat removal tool built into canopy
- Replaceable modular thermoplastic cartridge
- ASSE® Listed 1056, IAPMO® Listed, CSA®
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

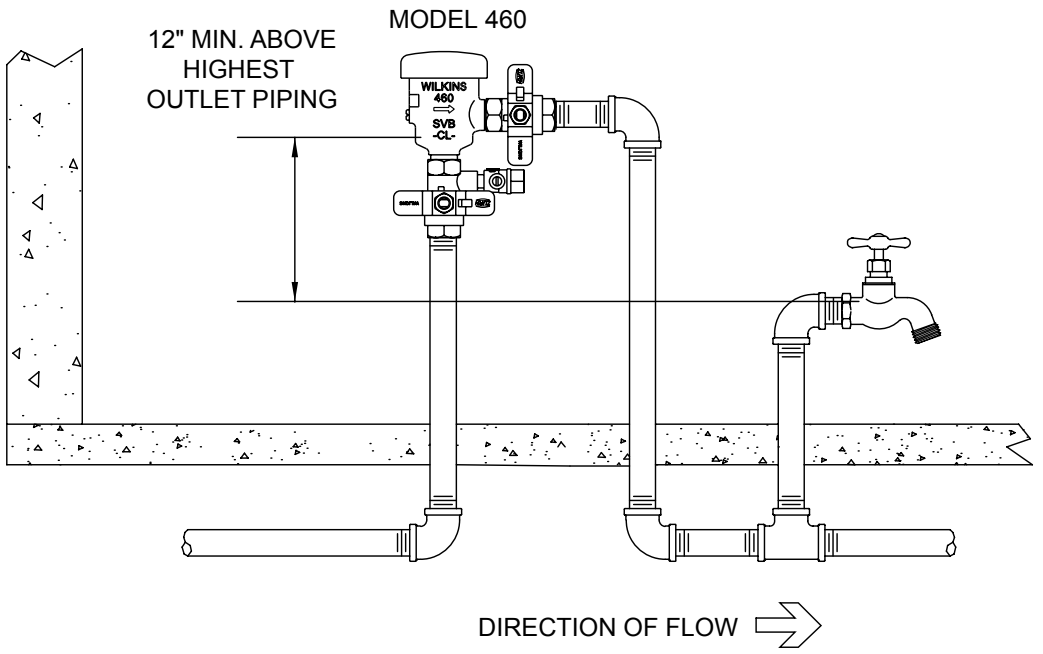
Accessories

- ZW3 Winterizer
- Water hammer arrester (Model 1250)
- Quick test set (QT-SET)

For Additional Information, Ask For BF-460 or visit our web site.

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be installed in accordance with the manufacturers' instructions and the latest version of the Uniform Plumbing Code. The critical level mark on the assembly shall be mounted at a minimum of 12" (305mm) above the highest downstream piping or outlet. Install with sufficient side clearance for testing and maintenance. The installation shall insure that no part of the assembly can be submerged. A spill-resistant pressure vacuum breaker cannot be installed where back-pressure could occur.



INDOOR INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO
460	008PCQT	4W-500

Backflow Preventers

Atmospheric Vacuum Breaker 35 Series

Applications

The Wilkins model 35 vacuum breaker is an economical way of preventing contaminated irrigation water from entering the potable supply due to backsiphonage. The 35's bronze construction ensures that the vacuum breaker will provide years of service in any irrigation system. Other applications include janitor mop sinks.

Features

- **1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Bronze body
- Lightweight, plastic poppet float
- Temperature range 33°F – 180°F
- Maximum pressure 125 psi
- ASSE® Listed 1001, IAPMO® Listed, CSA® Certified

Options

Model 35	FNPT x FNPT end connections
Model 35CH	Rough chrome finish (1/2" only)
Model 35VCH	Vertical inlet and outlet connections, rough chrome finish (1/4" only)

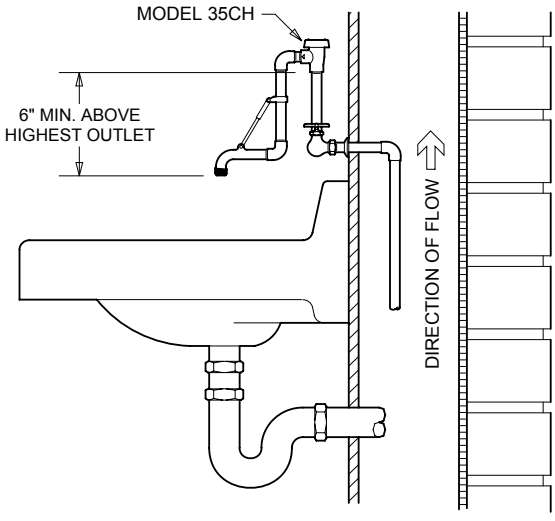
For Additional Information, reference WK-BPC catalog or visit our web site.

Accessories

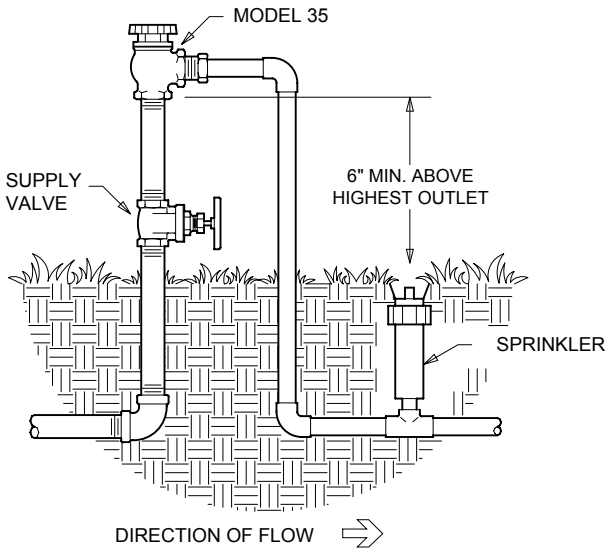
❑ Water hammer arrestor (Model 1250)

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 6" (150mm) above the highest point of discharge with sufficient side clearance for maintenance. Because the Model 35 is not to be used under continuous pressure, never place a shut-off or check valve downstream of the device. The installation shall be made so that no part of the unit can be submerged.



MODEL 35 INSTALLATION



MODEL 35 INSTALLATION

X Ref

WILKINS	WATTS	CONBRACO	FEBCO
35	288A	38-100	710, 715

Backflow Preventers

Laboratory Faucet Vacuum Breaker Model 730 and 735

Applications

The Wilkins 730 and 735 are intended to be used on laboratory or service sinks where high hazard backflow could occur due to backpressure or backsiphonage. The 730 can provide protection in applications that are non-continuous pressure in nature, whereas the 735 is designed for continuous pressure.

Features

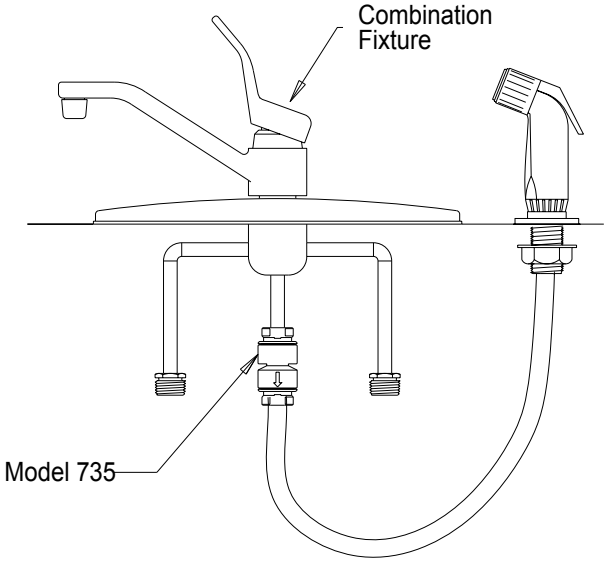
- **Model 730 3/8"**
  Model 735 1/4", 3/8"
- For installation on laboratory faucets where a potential health hazard exists
- Maximum pressure 150 psi
- Temperature range 33°F – 180°F
- Main valve body brass ASTM B 16; polished chrome finish (Model 730)
- Model 730 - ASSE® Listed 1035, CSA® Certified B64.7, IAPMO® Listed
  Model 735 - CSA® Certified B64.8, IAPMO® Listed

Options

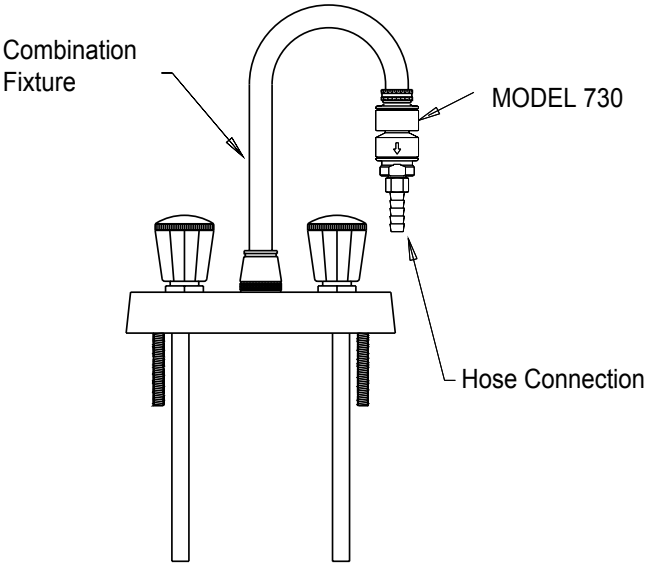
Model 730	Male NPSM x FNPT, brass body with chrome finish
Model 730FM	FNPT x Male NPSM, brass body with chrome finish
Model 735	FNPT x FNPT, brass body & finish

For Additional Information, Ask For BF-730 or visit our web site.

Typical Installation



In-line continous use
(see above for approvals)



Faucet hose connection

X Ref

WILKINS	WATTS	CONBRACO
730	NLF9	38-502
735	N9C	38-502CP

Backflow Preventers

Hose Connection Vacuum Breaker BFP-9 & BFP-8F Series

Applications

Designed for installation on potable water lines such as service sinks, laundry tubs and hose bibbs to protect against backsiphonage of polluted water into the potable water supply. A break-away set screw is included to prevent unauthorized removal. Device shall provide protection where a potential health hazard does not exist.

Features

- **3/4"**
- Brass hose bibb backflow preventer with vandal resistant feature
- Maximum pressure 125 psi
- Temperature range 33°F – 180°F
- ASSE® Listed 1011, IAPMO® Listed, CSA® Certified

Options

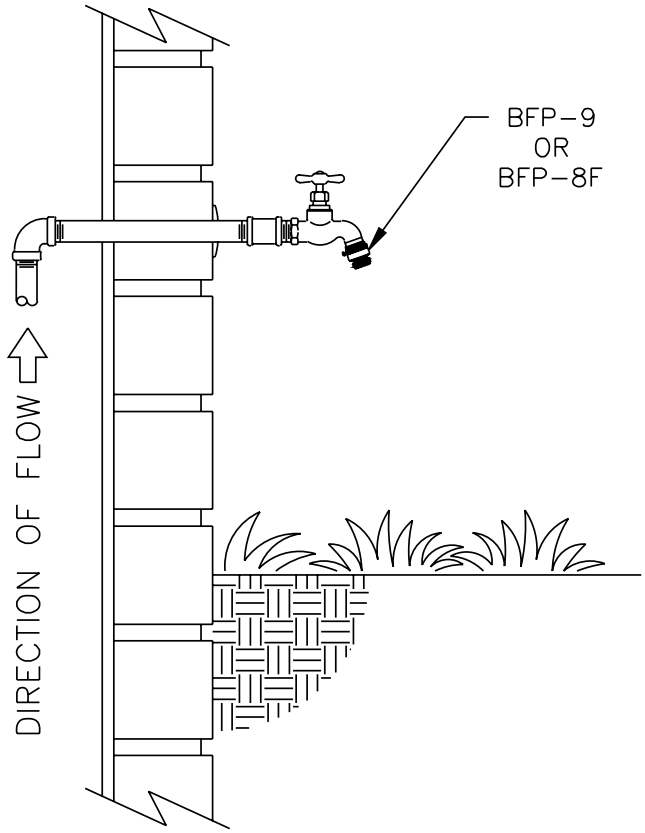
Model BFP-9 FNH x MNH

Model BFP-8F Same as BFP-9 with manual drain for freezing conditions

Model BFP-9CH With chrome finish

For Additional Information, reference W/K-BPC catalog or visit our web site.

Typical Installation

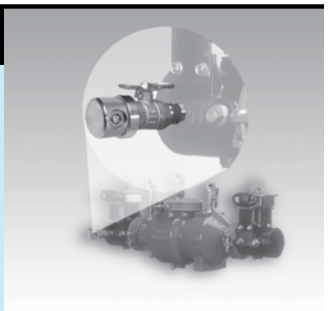


X Ref

WILKINS	WATTS	CONBRACO	FEBCO	CASH-ACME
BFP-9	8	38-300	731	V-3
BFP-8F	NF8	38-400	731 FR	VB-222
BFP-9CH	8C	38-304CS		V-3C

Backflow Security Products

AQUA-LOCK Test Cock Lock Model TCL24 Series



Applications

Wilkins' Aqua - Lock is designed to limit or prevent unauthorized access to water system components. Typical test cock lock applications include: backflow preventer test cocks, strainer blow-off and ball valves. Typical hose bibb lock applications include: industrial, residential, vacation homes, schools, property management companies, parks and stadiums.

Features

- **1/4", 1/2", 3/4"**
- Supplied with two keys
- Main body brass
- Lock stainless steel and brass
- All test cock locks are keyed alike

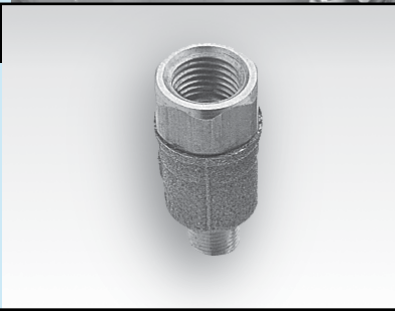
Options

Model TCL24 (Quantity – 1)

Model TCLSET (4 pack)

For Additional Information, Ask For MIS-AQUA LOCK or visit our web site.

Ball Type Test Cocks 860 Series



Applications

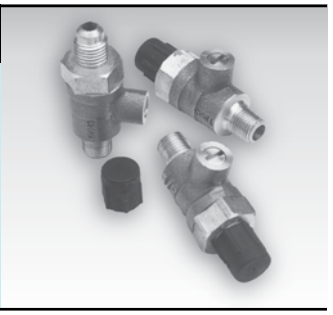
Designed for installation on backflow preventers as a test port for attaching a differential pressure gauge.

Features

- **1/8", 1/4"**
- Resilient seated ball type test cocks
- Maximum pressure 300 psi
- Maximum temperature 180°F

For Additional Information, Ask For BV-860 or visit our web site.

Ball Type Test Cocks 860FT Series



Applications

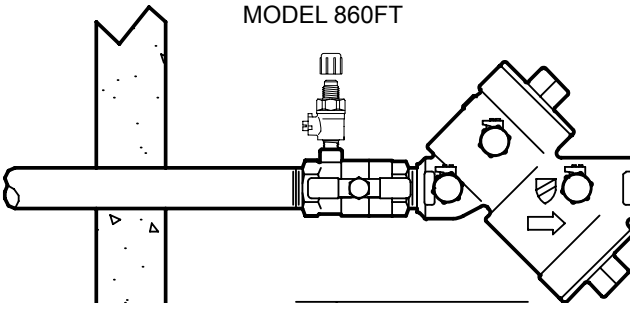
Designed for installation on backflow preventers as a test port for attaching a differential pressure gauge. SAE flare ends allow for fast and easy attachment of test kit hoses and eliminate the need for separate test fittings, saving time and money. A threaded dust cover is included with the 860FT to protect against fouling caused by insects, dirt and debris.

Features

- **1/8", 1/4"**
- Resilient seated ball type test cocks with integral 45° flare SAE fittings with threaded caps
- Complete with plastic dust covers
- Maximum pressure 300 psi
- Maximum temperature 180°F

For Additional Information, Ask For BV-860 or visit our web site.

Typical Installation



Backflow Preventer Accessories

Integral Relief Valve Monitor Switch Kit MSK/BMSK Series

Applications

In the event of a backflow condition, the relief valve closes an electrical contact on the MS switch, signaling that a possible relief valve discharge may be occurring. The integral relief valve monitor switch kit is ideal for converting backflow preventers in use in mechanical rooms, basements and enclosures where undetected relief valve discharge could potentially cause water damage.

Features

- For use on reduced pressure principle backflow preventers models 375, 475, 975XL
- Fits sizes 3/4" thru 10"
- Kit includes relief valve cover, monitor switch assembly, relief valve spring and diaphragm assembly
- When connected to a low voltage alarm circuit, the monitor switch electrically supervises the relief valve in the closed position
- In the event of a backflow condition, the relief valve closes an electrical circuit, signaling that a possible relief valve discharge may be occurring
- U.S. Patent No. 5,425,393

Options

Model MSK	Monitor switch kit
Model BMSK	Battery powered switch

Electronic Solenoid Timer

Not many mechanical rooms could handle an undetected backflow discharge of up to 800GPM.

The Consequences Can Be Costly:

- Property damage
- Equipment damage
- Mold proliferation
- Water supply contamination
- Dangers to public safety
- Unnecessary liability insurance claims and insurance premium inflation

Wilkins Electronic Solenoid Timer protects against undetected backflow discharge.

- Controls a solenoid shut-off valve
- Powers remote alarms
- Sends a signal to a central alarm panel
- Eliminates nuisance alarms

Stops The Flooding Before It Starts!

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Backflow Preventer Accessories

Electric Solenoid Timer Model EST

Applications

Designed for installation on potable water lines to shutdown system flow should the relief valve open on a reduced pressure principle backflow assembly. The EST is designed for installation in conjunction with the Wilkins Model 975XLMS, 375MS, or 475MS RPZ with monitor switch feature and Model ZW106 solenoid control valve with 24vac solenoid. In the event of a backflow condition with discharge from the relief valve occurring, the EST de-energizes the solenoid on the control valve shutting down system flow. Standard operation is for the water to shut off during a power failure. The EST system should not be installed where water must remain on at all times. EST output can also be used to trigger high voltage alarms, warnings lights, start sump pumps, etc. Ideal for use in mechanical rooms, basements and enclosures where undetected relief valve discharge could potentially cause water damage.

Features

- Designed for installation with Wilkins Model 375MS or 475MS RPZ with Monitor Switch feature and Model ZW106 solenoid control valve
- Input – 120 VAC 5A
- Relay power – 1.1 VA at 24 VAC
- Low voltage power supply – 24 VA at 24 VAC
- Contact closure – 3A at 120 VAC
- 120 VAC output – 3A
- 24 VAC Output – 0.7A
- External top mounted power and alarm lights
- Wall and valve mounting brackets included
- Enclosure size 7.5H x 7.5W x 5.0D
- UL® Listed (housing)
- CSA® Certified (housing)

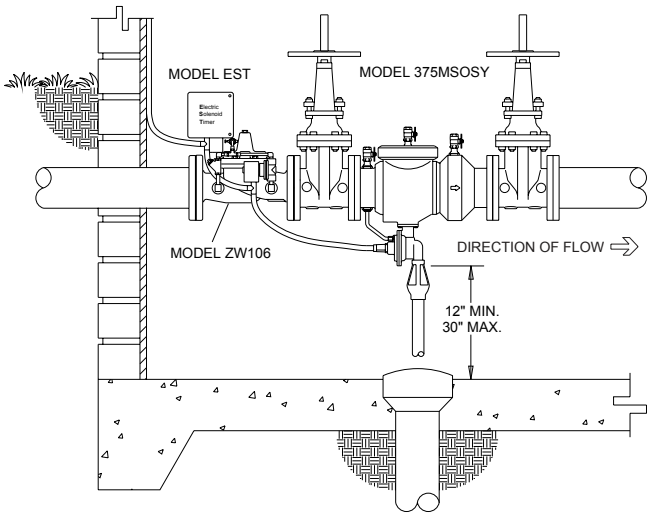
For Additional Information, Ask For BF-EST or visit our web site.

Accessories

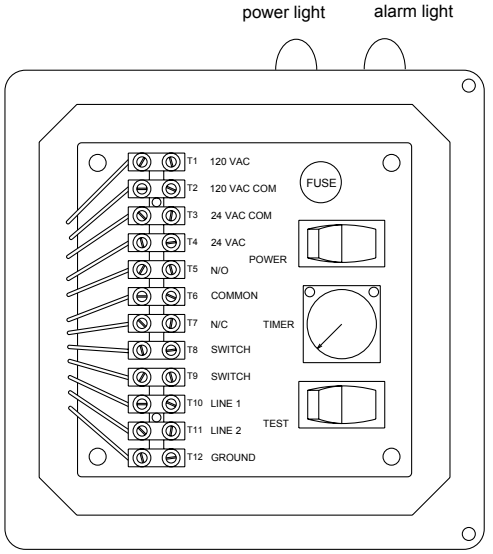
- ❑ ZW106 — Solenoid operated control valve (special order with 24 VAC solenoid)
- ❑ 375MS/475MS — Model 375 or Model 475 with integral relief valve monitor switch

Typical Installation

Connect 120 VAC input to terminals T10 - T12. Connect backflow supervisory switch to T8 and T9. Connect T3 and T4 to solenoid shut off valve ZW106 to turn off water supply when alarm triggers. Terminals T5 - T7 can be connected to an external alarm panel. T1 and T2 can be used to power an external high voltage alarm. Housing designed for use with flexible watertight conduit.

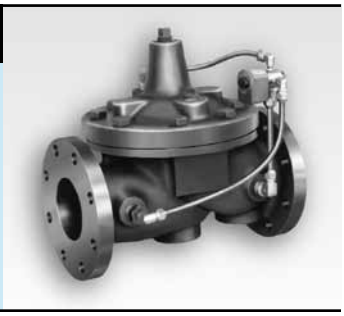


375MS with ZW106 Solenoid Control Valve and EST Electronic Solenoid Timer



Backflow Preventer Accessories

Solenoid Control Valve – ZW106



Applications

The ZW106 is a pilot operated solenoid valve that either opens or closes upon receiving an electrical signal. The ZW106 is a perfect valve to use with the Wilkins 375MS and EST. In this application, the ZW106 is used to stop water flow should the relief valve of the backflow prevention assembly begin to discharge. Not limited to this application, the ZW106 can be used anytime it is advantageous to open or close a line electrically rather than mechanically. The ZW106 can be equipped in either a normally open (energize to close) or a normally closed (energize to open) configuration.

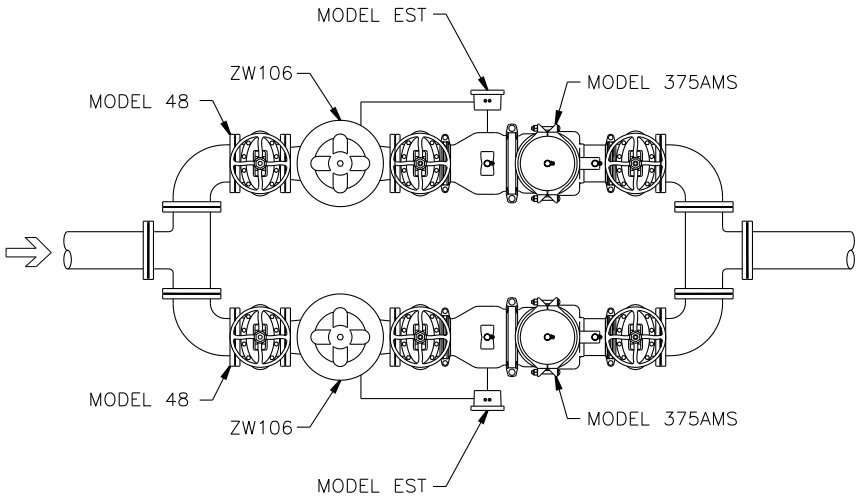
Features

- **1¼", 1½", 2", 2½", 3", 4", 6", 8", 10"**
- Valve is furnished either normally open (de-energized solenoid to open) or normally closed (energize solenoid to open)
- Ductile iron body and bonnet ASTM-A536 epoxy coated. Bronze (ASTM B62) trim and pilots
- Single seated, diaphragm actuated, hydraulically operated, electrically-actuated pilot controlled
- Maximum temperature 180°F
- Pressure rated Class 150 250 psi max.
- Globe or angle configurations available (specify when ordering)

Options

For Additional Information, reference WK-ACV catalog or visit our web site.

Typical Installation



Green is more than our building & manufacturing...

Today, with our increased awareness of the importance of being Green, Wilkins has pressed forward to be a leader in the Green movement. Wilkins products can help you be a leader in achieving Green building designs & LEED certification. Our products help you conserve and protect water, use less space and increase energy efficiency.

Be a leader and specify Wilkins!

LEED Credit for New Construction & Major Renovations	
Sustainable Sites	Credit 5.2 Site Development: Maximize Open Space
Water Efficiency	Credit 1.1 Water Efficient Landscaping
Energy & Atmosphere	Credit 1 Optimize Energy Performance

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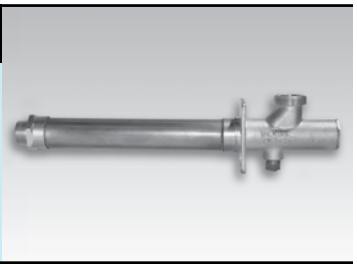
Backflow Preventer Accessories

ZW3 Winterizer



The ZW3 is intended for any application where "through the wall" water control is desired. Primarily intended for irrigation applications, the ZW3 valve provides outdoor access to control an indoor water supply via a vandal resistant valve key. The ZW3 can eliminate scheduling hassles and speed up the winterization process. Some applications may include system winterizing, system repairs or system isolation.

Applications

Features

- **Lengths: 8, 10, 12**
- Turns off the water to the entire irrigation system including the backflow preventer
- Large integral rectangular cover plate (3" x 3.75") with 4 each 5/16" mounting screw locations
- Comes standard with 1/2" drain and drain plug
- 3/4" FNPT X 1" MNPT inlet connection is standard
- 3/8" hex key vandal resistant control
- 2" mounting hole required
- Easy key access provides discreet activation.

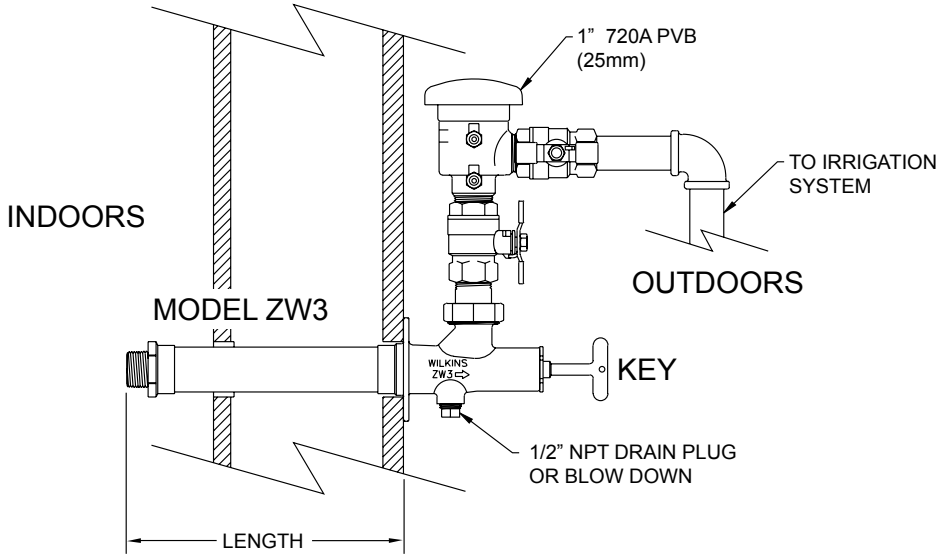
Available Sizes

8 Inch Winterizer	
Model/Part #	Outlet
ZW3-8-1M	1" Male NPT
ZW3-8-1F	1" Female NPT
ZW3-8-1C	1" Female Copper CXC
ZW3-8-34F	3/4" Female NPT
ZW3-8-34C	3/4" Female Copper CXC

10 Inch Winterizer	
Model/Part #	Outlet
ZW3-10-1M	1" Male NPT
ZW3-10-1F	1" Female NPT
ZW3-10-1C	1" Female Copper CXC
ZW3-10-34F	3/4" Female NPT
ZW3-10-34C	3/4" Female Copper CXC

12 Inch Winterizer	
Model/Part #	Outlet
ZW3-12-1M	1" Male NPT
ZW3-12-1F	1" Female NPT
ZW3-12-1C	1" Female Copper CXC
ZW3-12-34F	3/4" Female NPT
ZW3-12-34C	3/4" Female Copper CXC

Typical Installation



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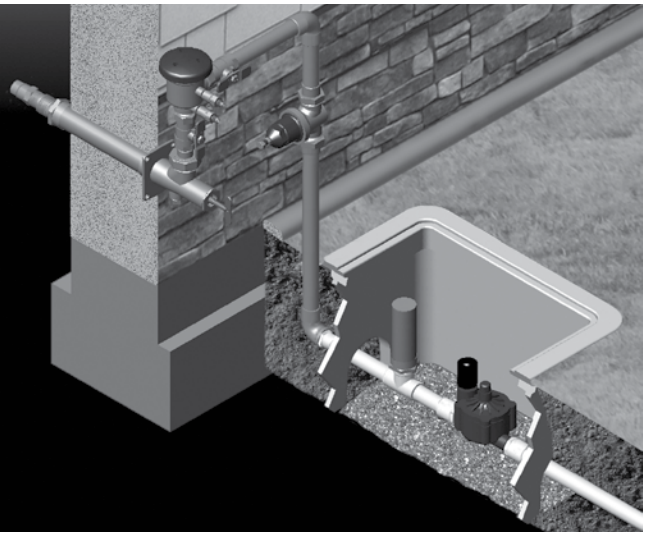
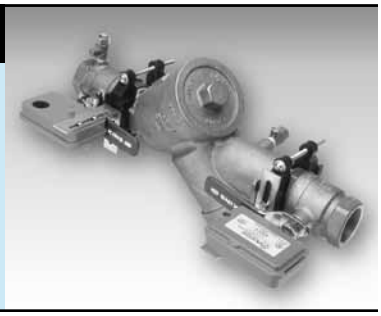


Backflow Preventer Accessories

Model BVMS Ball Valve Monitor Switch



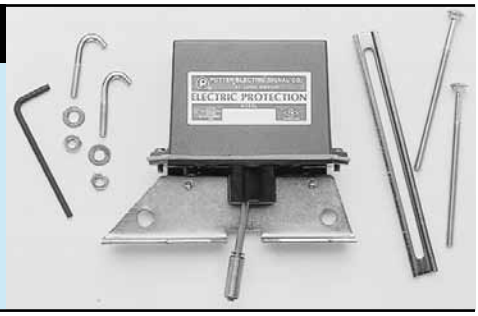
Applications

The Model BVMS is designed to monitor the fully open position of a ball valve installed in a sprinkler system. The BVMS will mount onto Wilkins 950XL, 950XLT, and 975XL backflow preventers. The Model BVMS has an internal switch, which is toggled when the ball valve is moved from the open position. The internal switch however, does not track the position of the handle or ball. When the ball valve lever handle is moved into the open position, an internal spring-loaded switch contacts the lever handle and is toggled into the secure position. When the handle is moved from the open position, the switch extends and is toggled into the tripped position.

Features

- **3/4", 1"** (BVMS-S40) **1 1/4", 1 1/2", 2"** (BVMS-L40)
- For use on 950XL, 950XLT and 975XL
- Complete with mounting hardware
- NEMA 4 rated enclosure when using proper electrical fittings (IP67)
- Contacts for both normally open and normally closed operation
- Contact ratings: SPDT contacts 10A at 125/250 VAC, 2A at 30 VDC
- On backflow installations a switch is required on each ball valve, thus two BVMS are required

OS&Y Gate Valve Supervisory Switch Kit



Applications

The OSY-40 supervisory switch is used to monitor the open position of an OS&Y (outside screw and yoke) type gate valve. These switches mount conveniently to most OS&Y gate valves ranging in size from 2" to 12" (50mm to 300mm). The OSY-40 may be used for indoor or outdoor use on automatic sprinkler systems (NFPA-13), one or two family dwellings (NFPA-13D), residential occupancy up to four stories (NFPA-13R) and National Fire Alarm Code (NFPA-72) service uses.

Features

- For use on OS&Y type gate valves sizes 2" thru 10"
- Used to monitor the open position of an OS&Y type gate valve
- Kit includes switch and bracket for installation
- On backflow installations a switch is required on each OS&Y gate valve, thus two OSY-40 switches are required
- UL listed and CSFM Listed, FM approved, NYMEA accepted, CE marked
- Complies with NFPA 13, 13D, 13R, 71 and 72
- NEMA 4 and NEMA 6P enclosure (IP67) when used with appropriate watertight conduit fittings

Backflow Preventer Accessories

Ball Valve Handle Lock Model BVLK

Applications

Fits Model 850 ball valves. Locks ball valve in the open or closed position. May be used on individual ball valves or ball valves installed on backflow preventers. Backflow application requires two bulk handle lock kits. Padlocks available as an option.

Features

- **Sizes: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- 1/2" RK12-BVLK, 3/4" – 1" RK34-1-BVLK, 1 1/4" RK114-BVLK, 1 1/2" – 2" RK112-2-BVLK
- Fits Model 850 ball valves
- Locks ball valve in the open or closed position
- May be used on individual ball valves or ball valves installed on backflow preventers
- Backflow application requires 2 handle lock kits
- 304 stainless steel
- Locks sold separately

Options

Model BVLK	Ball valve locking mechanism.
Model RK-PDLK	Master padlock #510D.

For Additional Information, Ask For BV-BVLK or visit our web site.

Aqua Lock Ball Valve Handle Lock Model BVHL

Applications

Designed to prevent unauthorized access to water supply by locking the ball valve handle into a non-control state. Stops vandalism and water theft.

Features

- Supplied with two keys
- Keyed alike (quantity of 25 or more)
- Main body brass
- Lock stainless steel and brass

For additional information, ask for BV-BVHL or visit our web site.

Full Port Ball Valve 850 Series

Applications

WILKINS Model 850 full port brass ball valves are recommended for residential, commercial and industrial applications. Ideal for throttling and balancing installations of low pressure steam, air, water and non-corrosive gas or oil.

Features

- **Sizes: 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Full port solid ball standard rated at 600 psi, WOG
- Bronze body construction
- FNPT x FNPT connections, 1/2" – 2"
- MNPT x FNPT connections, 1/4" – 1/2"
- 850 and 850T (3/4" – 2") with BSP threaded connections

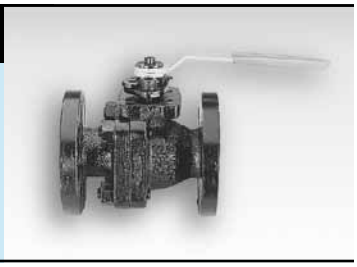
Options

Model 850	FNPT x FNPT end connections
Model 850T	Tapped for gauge or test cock (FNPT x FNPT).
Model 850U	Single union body (FNPT x FNPT)
Model 850TU	Same as 850U except tapped for gauge or test cock (FNPT x FNPT)
Model 850M	Threaded connections are male x female (MNPT x FNPT)
Model 850TM	Same as 850M except tapped for gauge or test cock (MNPT x FNPT)
Model 850SH	Stainless steel handle

For Additional Information, Ask For BV-850 (SM) or visit our web site.

Backflow Preventer Accessories

Full Port Cast Iron Flanged Ball Valve 850 Series



Applications

Wilkins Model 850 full port cast iron ball valves are recommended for commercial and industrial applications. Ideal for throttling, balancing, and installations requiring positive shut off. Quarter turn handle activated.

Features

- **Sizes: 2 1/2", 3", 4", 6", 8", 10"**
- Reduced port (8" and 10")
- Blow out proof stainless steel stem
- 125 class flanges
- Stainless steel trim
- Tapped and plugged
- Conforms to ANSI B16.10
- Optional gear operator, sizes 8" and 10"

For Additional Information, Ask For BV-850 (LG) or visit our web site.

NRS Flange Gate Valves 48 Series

Applications

Designed for installation on potable water lines, irrigation systems, and waterworks connections.

Features

- **Sizes: 2 1/2", 3", 4", 6", 8", 10", 12"**
- Non-rising stem
- Full flow waterway
- 200 psi working pressure
- Tapped and plugged
- Flanges conform to ANSI/ASME B16.1
- Grooved end conforms to ANSI/AWWA C606
- Groove x flange (Model 48GXF)
- Groove x groove (Model 48G)
- Valves conform to ANSI/AWWA C509 and C550
- UL® Listed, C-UL® Listed, FM® Approved

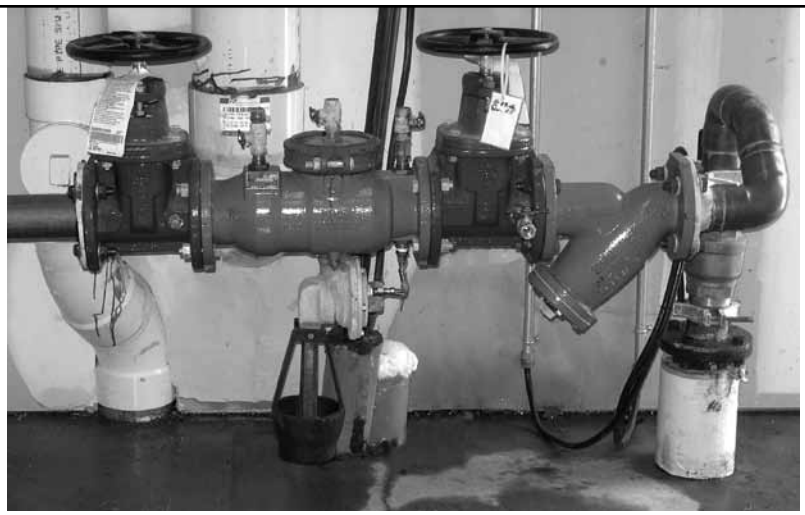
Accessories Options

Model 48	Flanged x flanged end connections
Model 48G	Grooved end connections
Model 48GXF	Grooved X flanged end connections

For Additional Information, Ask For GV-48 or visit our web site.

- ❑ Flange by groove adapter (FLA)
- ❑ 2" Square operating nut available

Typical Installation



Backflow Preventer Accessories

OS&Y Gate Valves 48OSY Series

(48OSYGXF shown)

Applications

Designed for installation on potable water lines, waterworks connections, and fire systems.

Features

- **Sizes: 2", 2 1/2", 3", 4", 6", 8", 10", 12"**
- Outside stem and yoke
- Full flow waterway
- 200 psi working pressure
- Tapped and plugged
- Grooved end conforms to ANSI/AWWA C606
- Groove x flange (Model 48OSYGXF)
- Groove x groove (Model 48OSYG)
- Flanged end conforms to ANSI/ASME B16
- Valves conform to ANSI/AWWA C550
- UL® listed, FM® Approved, C-UL® listed

For Additional Information, Ask For GV-48 or visit our web site.

Options

Model 48OSY FNPT x FNPT connections (2")
Flanged x flanged end connections (2 1/2" – 12")

Model 48OSYG Grooved end connections

Model 48OSYGXF Grooved X flanged end connections

Accessories

- ❑ OS&Y gate valve supervisory switch (OSY-40)
- ❑ Flange by Groove adapter (FLA)

Typical Installation

Post Indicator Gate Valve 48PI

(48PIVGXF shown)

Applications

Designed for installation on potable water lines leading to fire suppression systems.

Features

- **Sizes: 3", 4", 6", 8", 10"**
- Universal PI plate and operating nut
- Resilient seated
- Full flow waterway
- 200 psi working pressure
- Tapped and plugged
- Grooved end conforms to ANSI/AWWA C606
- Flanged end conforms to ANSI/ASME B16
- Valves conform to ANSI/AWWA C550
- UL® listed, FM® Approved

Options

Model 48PIV Flanged end connections

Model 48PIVG Grooved end connections

Model 48PIVGXF Grooved X flanged end connections

For Additional Information, Ask For BF-PI or visit our web site.

Accessories

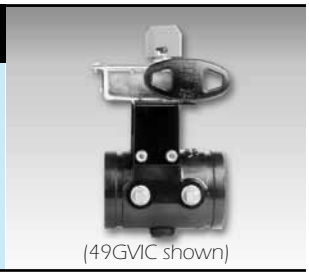
- ❑ Post indicators - by others
- ❑ Flange by groove adapter (FLA)

Backflow Preventer Accessories

Butterfly Valve Model 49

Features Applications

Designed for installation on potable water lines, irrigation systems, waterworks connections, and fire systems.


(49GVIC shown)

- **2 1/2", 3", 4", 6", 8", 10"**
- Grooved end connections
- Maximum pressure 175 psi
- UL® listed, C-UL® listed, FM® Approved

For Additional Information, Ask For GV-49GVIC or visit our web site.

Backflow Assembly Test Kits—Model TG-3 and TG-5

Features Applications

The Wilkins backflow prevention assembly test kit is designed for testing all brands of pressure type vacuum breakers, spill resistant pressure vacuum breakers, double check valve, and reduce pressure type backflow prevention assemblies. The kits are capable of performing all known testing procedures, including those recommended by ASSE, ABPA, AWWA, and FCCCHR @ USC.

- Maximum pressure 200 psi
- Temperature range 35° to 150°F
- Gauge dial 4 1/2" diameter, 0 – 15 psi scale
- 200 psi line pressure gauge dial
- Accuracy: ±0.2 psid (descending)
- Soft-seated needle valve with replaceable seats (Model TG-3, 3 total) (Model TG-5, 5 total)
- Hoses and fittings (Three) 5' lengths; color-coded and (one 4' long clear bleed tube Model TG-5)
- SAE 45° flare fittings and 90-micron cleanable porous metal filters
- Five-year warranty against defects in materials and manufacturing

Options Features

QT-SET Quick test fitting set

For Additional Information, Ask For BF-TG-3 or BF-TG-5 or visit our web site.

Quick Test Fitting Set

Features Applications

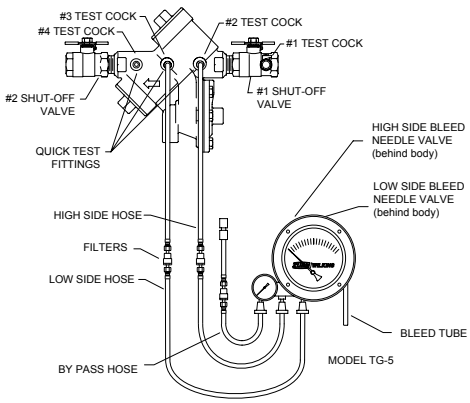
Designed for use on backflow prevention assemblies to facilitate the connection of a differential pressure test gauge. Quick test fittings set, with their integral o-ring and hand tight installation, eliminate the need for wrenches and Teflon tape. This will result in a time and material savings to the backflow tester and set includes all fittings needed to test any size of backflow assembly.

- Set includes 3 each in sizes: 1/4", 1/2", 3/4"
- Tear resistant o-rings
- SAE 45 flair fittings – SAE J513
- Knurled for easy gripping
- Includes 3 spare o-rings per size
- Case dimensions 8 1/2" x 5 1/2" x 2 5/8"

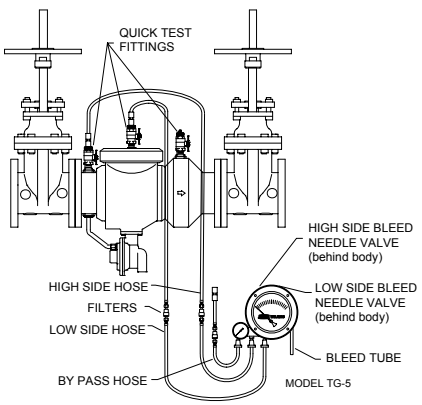
For Additional Information, Ask For BF-QTSET or visit our web site.

Typical Installation

MODEL 3/4" 975XL SHOWN



MODEL 4" 375OSY SHOWN



Backflow Preventer Accessories

400 Series Setter

Applications

Designed to ease the installation of the N-shape Wilkins Model 450 and 475 series backflow prevention assemblies. Ideal for retrofitting installations or where space is limited. The integral thrust support between the elbows eliminates the need for additional concrete thrust blocking.

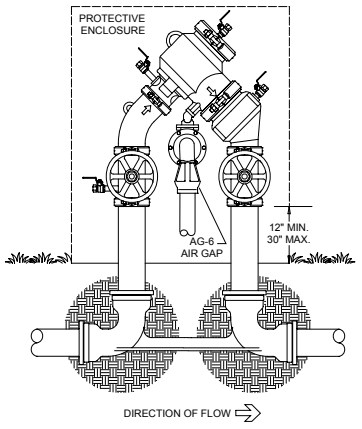
(Model FLS Shown)

Features

- **2 1/2", 3", 4", 6", 8", 10"**
- Setter assembly used to ease installation of Model 450/450DA/475/475DA backflow preventers
- Model FLS features flange by flange connection
- Model MJFS features mechanical joint connection by flange
- Model MJS features mechanical joint by mechanical joint connection
- Ductile iron construction
- Epoxy coated inside and out

For Additional Information, Ask For BF-SETTER or visit our web site.

Typical Installation



Air Gap Drain AG Series

Applications

Designed for use with 1/4" through 10" Model 975, 375, and 475 reduced pressure principle backflow preventers. Device is necessary when installing a drain line and can be mounted to the body. The air gap drain attaches to any drain pipe with IPS dimensions. The drain pipe must be properly supported.

Features

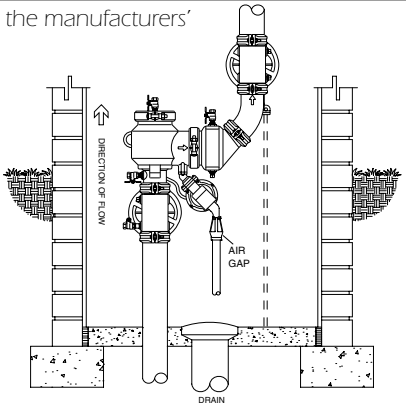
- For use with 1/4" thru 10" Model 975 and 375, 475 reduced pressure principle backflow preventers
- Can be mounted to relief valve body
- An air gap is necessary when installing a drain line
- Outlet pipe sizes 1" NPT – 4" NPT

For Additional Information, Ask For BF-AG or visit our web site.

Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code.

MODEL	SIZES	MODEL
AG-8	1/4" - 1/2"	975XL
AG-4	3/4" - 1"	975XL
AG-5	1 1/4" - 2"	975XL
AG-6	2 1/2" - 3"	475V
AG-6	2 1/2" - 6"	375, 475
AG-7	8" - 10"	375, 475
AG-9	4" - 6"	475V
AG-10	8" - 10"	475V
AG-11	3/4" - 1"	375
AG-11V	3/4" - 1"	375 VERT.
AG-12	1 1/4" - 2"	375



INDOOR INSTALLATION

Backflow Preventer Accessories

Spacer-Spools

Applications

Ideal for replacing old, worn out backflow assemblies with new Wilkins technology. Use spacer-spool to make up the laying length between the backflow assembly to be removed and a Wilkins 300 series backflow. Spools accommodate Wilkins Models 350, 350DA, 375 and 375DA's.

- Exact in field measurements are required when ordering the spool. Please have spool length ready when ordering (subtract 1/8" to account for 2 gaskets).
- All spools are custom made to order and all sales are final.
- Lead times for standard spools are 7 – 10 days. Lead times for spools with fusion epoxy adder are 20 – 25 days.
- "Old style" full faced rubber gaskets must be used and are supplied with each spool.

Features

- **2 1/2"** – Carbon steel with bare interior
- **3"–10"** – Ductile iron with cement lining and exterior epoxy paint
- Spools accommodate Wilkins Models 350, 350DA, 375 and 375DAs
- Standard spool comes with epoxy paint exterior only and with two full faced cloth inserted rubber gaskets
- "Old style" full faced rubber gaskets must be used and are supplied with each spool

Options

FDA approved fusion epoxy can be added. Fusion epoxy is exterior and interior. See fusion epoxy adder for additional cost information

For Additional Information, Ask For BF-Spools or visit our web site.

Typical Installation

Diameter	Part Number	Size	Type
2 1/2"	212-FL	1/2"-1 1/8"	Spacer Flange
2 1/2"	212-SP-A	3 1/2"-12"	Spacer Spool
3"	3-FL	1/2"-3 1/2"	Spacer Flange
3"	3-SP-A	4"-12"	Spacer Spool
4"	4-FL	1/2"-4"	Spacer Flange
4"	4-SP-A	4"-12"	Spacer Spool
4"	4-SP-B	13"-24"	Spacer Spool
6"	6-FL	1/2"-4"	Spacer Flange
6"	6-SP-A	4"-12"	Spacer Spool
6"	6-SP-B	13"-24"	Spacer Spool
8"	8-FL	1/2"-4"	Spacer Flange
8"	8-SP-A	4"-12"	Spacer Spool
8"	8-SP-B	13"-24"	Spacer Spool
10"	10-SP-A	5"-12"	Spacer Spool
10"	10-SP-B	13"-24"	Spacer Spool
10"	10-SP-C	25"-30"	Spacer Spool
10"	10-SP-D	31"-36"	Spacer Spool

Strainers

YB Series

Applications

The Wilkins YB series wye strainers are a perfect choice for preventing damage to downstream components due to sand and debris in the water. Designed with a straining area that exceeds the requirements of mil-specs, the domestically manufactured YB series is available with 20, 40, 60, 80, or 100 mesh screens, and is furnished standard with 20 mesh. A good strainer is cheap insurance when it comes to protecting downstream equipment, and the Wilkins YB series stands ready to take on the job.

(YBP Shown)

Features

- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"**
- Furnished with 20 mesh stainless steel strainer
- Bronze body construction
- Rated 400 psi WOG at 210°F, 125 psi WSP at 400°F
- Maximum pressure rating for sweat models is 400 psi at 150°F and requires 95-5 solder and are steam rated at 15 psi maximum
- FNPT connections less closure plug (standard)
- 40, 60, 80 or 100 mesh screens available

Model YB FNPT connections
Model YBC Female copper sweat connections
Model YBP Same as YB with closure plug supplied

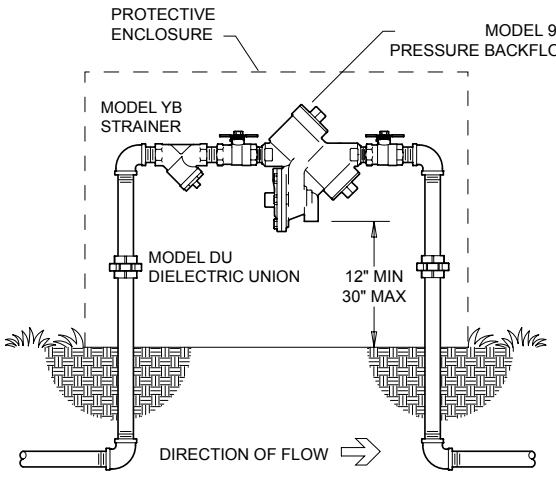
Options

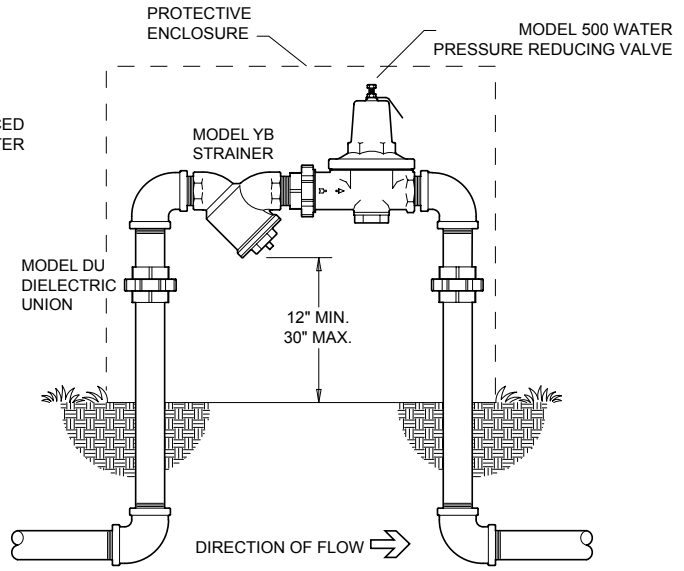
Model YBX Same as YB except not tapped for closure plug
Model YBCP Same as YBC except with closure plug supplied, with BSP threaded connections

For Additional Information, Ask For STR-YB or visit our web site.

Typical Installation

Local codes shall govern installation requirements. Unless other wise specified, the assembly shall be mounted in accordance with the latest edition of the Uniform Plumbing Code. The installation shall be made so that no part of the unit can be submerged.





Strainers

S Series

Applications

Recommended for a variety of water service lines including residential and commercial irrigation, swimming pools, and cooling tower water. They are also designed to protect delicate equipment such as regulators and backflow preventers by filtering sediment which could cause premature failure. For steam service, Model S strainers protect control valves, traps, sterilizers and other process equipment.

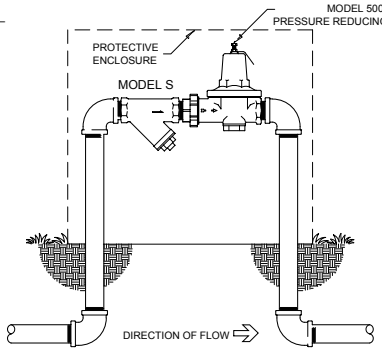
Features

- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"**
- Furnished with 20 mesh stainless steel strainer only
- Bronze body construction
- Rated 300 psi WOG and 150 psi steam
- Supplied with brass closure plug

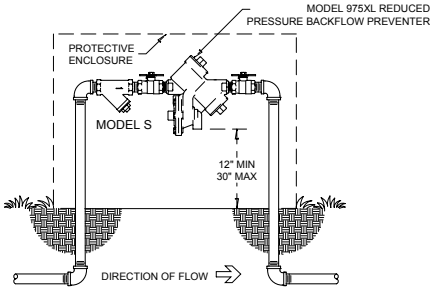
For Additional Information, Ask For STR-S or visit our web site.

Typical Installation

Local codes shall govern installation requirements. Unless other wise specified, the assembly shall be mounted with sufficient clearance for maintenance in accordance with the manufacturers' instructions the latest edition of the Uniform Plumbing Code. The installation shall be made so that no part of the unit can be submerged.



OUTDOOR INSTALLATION



INDOOR INSTALLATION

SCI Series

Applications

The Wilkins SCI series cast iron wye strainers are typically used to prevent sediment in boiler feed lines from entering the boiler. Equipped with threaded ends and a 20 mesh screen, the SCI series can be used for any application where a threaded Cast Iron strainer is desirable.

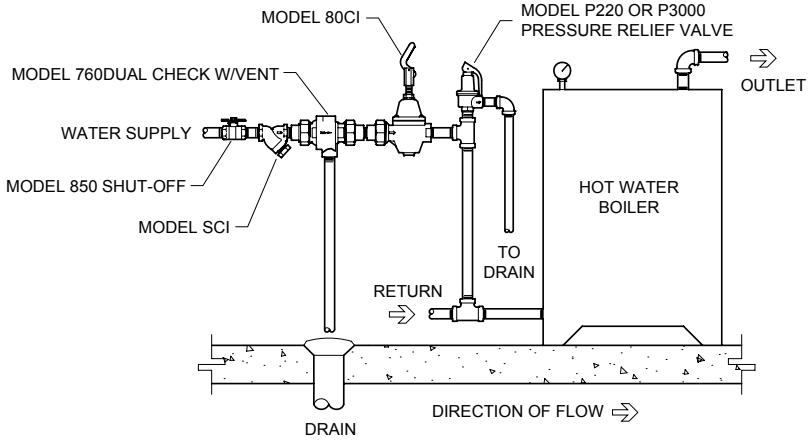
Features

- **1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"**
- Furnished with 20 mesh stainless steel strainer only
- Wye type 250 lb. cast iron screwed strainer
- ASTM A-126 class B cast iron with blow-off connections
- Rated 400 psi WOG and 150 psi steam
- Closure plug not furnished

For Additional Information, Ask For STR-SCI or visit our web site.

Typical Installation

Local codes shall govern installation requirements. Unless other wise specified, the assembly shall be mounted in accordance with the manufacturer's instruction and the latest edition of the Uniform Plumbing Code.



Strainers

FS Series

Applications

The FS / FSC series flanged wye strainers are perfectly suited for protecting downstream equipment from fouling due to debris. The FS is provided with a painted exterior and the FSC is coated with FDA approved epoxy inside and out. The FSC is an excellent choice for preventing debris fouling of any large diameter reduced pressure principle assembly, such as the Wilkins 375.

(FSC Shown)

Features

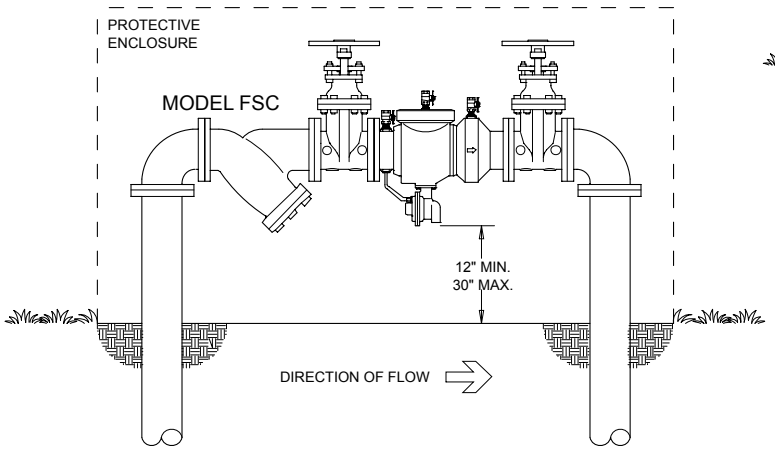
- **2 1/2", 3", 4", 6", 8", 10"**
- Class 125 lb. cast iron flanged wye type strainer
- ASTM A-126 class B epoxy coated cast iron
- Perforated self-aligning cylindrical metal screen
- Conforms to MIL-S-16293F, Type 2
- Taped for plug or blow off valve (Closure plug not furnished)

Options

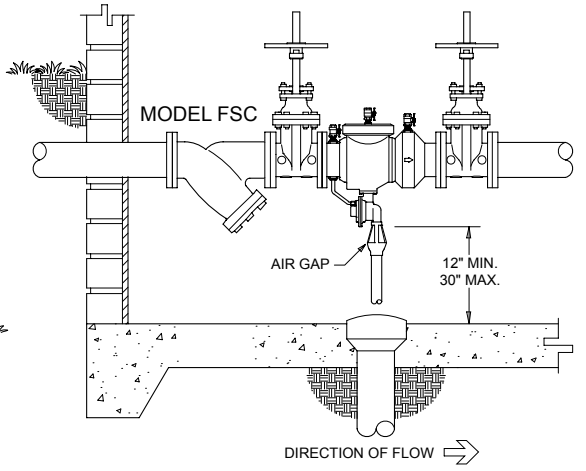
Model FS	With epoxy paint exterior only, uncoated interior	**For Additional Information, Ask For STR-FS or visit our web site.**
Model FSC	FDA approved epoxy coating inside and out	

Local codes shall govern installation requirements. Unless other wise specified, the assembly shall be mounted with sufficient clearance for maintenance in accordance with the manufacturers' instructions the latest edition of the Uniform Plumbing Code. The installation shall be made so that no part of the unit can be submerged.

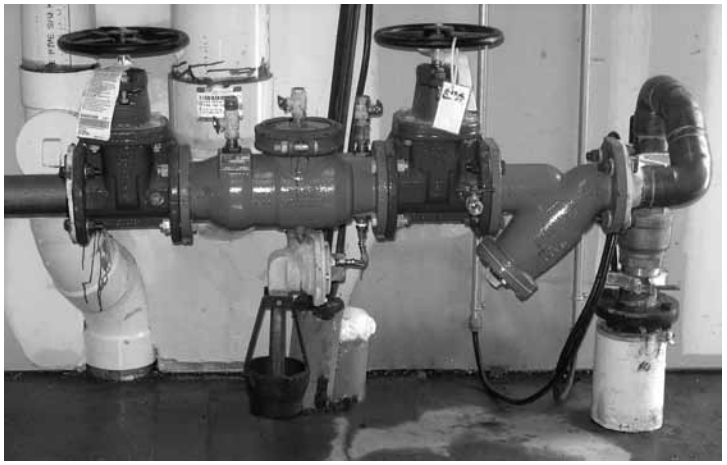
Typical Installation



OUTDOOR INSTALLATION



INDOOR INSTALLATION



SCREEN

SIZE inch	OPENINGS (dia.)	MATERIAL THICKNESS	HOLES PER sq/in.
2 1/2	0.045	0.020	225
3	0.045	0.020	225
4	0.062	0.020	98
6	0.062	0.020	98
8	0.125	0.020	29
10	0.125	0.032	29

Thermostatic Mixing Valves

Model ZW1017

Applications

The Wilkins Model ZW1017 Aqua-Gard tempering mixing valve, when installed at the hot water source, is designed to mix hot and cold water in order to reduce the temperature of the hot water in the distribution system to 122°F(50°C) or less. The ZW1017's superior accuracy ensures safe water temperature from minimum to maximum flow rate. Further, multiple end configurations make this valve suitable for all residential and most light commercial installations.
WARNING: This device should never be installed at the point of use where the end user could change its setting. Point of use device must be of the ASSE 1016 variety. It is recommended that the ZW1017 be installed with a shut-off valve and thermometer in the tempered water line to provide accurate and safe water mixing temperatures, to be used in conjunction with ASSE 1016 device.

Features

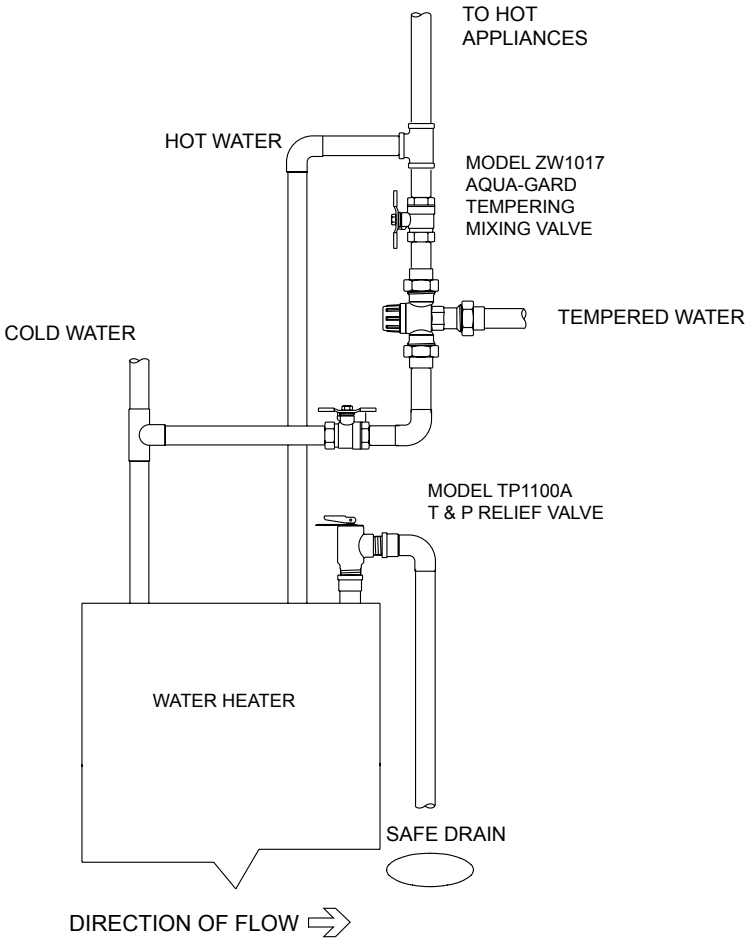
- **3/8", 1/2", 3/4", 1"**
- Tempering Mixing Valve
- Certified to ASSE Standard 1017
- CSA® Certified
- Flow Capacity ~ 18 gpm @ 45 psi pressure loss
- Systems distribution application. Not to be used at point of use
- Outlet temperature range of 95° – 131°F
- Integral check valves and stainless steel strainers (no strainer in 38-ZW1017 comp)

Options

Model ZW1017	Supplied with three FNPT tailpieces and union nuts
Model ZW1017C	Supplied with three female copper sweat tailpieces and union nuts
Model ZW1017COMP	Supplied with three 3/8" compression tailpieces and union nuts
Model ZW1017CPVC	Supplied with three female CPVC tailpieces and union nuts
Model ZW1017M	Supplied with three MNPT tailpieces and union nuts
Model ZW1017PEX	Supplied with three male PEX tailpieces and union nuts

For Additional Information, reference WK-AG catalog or visit our web site.

Typical Installation



Thermostatic Mixing Valves

Model ZW1017MM Master Mixing Valve

Applications

The Wilkins Model ZW1017MM Aqua-Gard master mixing valve, when installed at the hot water source, is designed to mix hot and cold water in order to reduce the temperature of the hot water in the distribution system to 120°F(48.9°C) or less. The ZW1017MM superior accuracy ensures safe water temperature from minimum to maximum flow rate. Further, multiple end configurations make this valve suitable for most light commercial installations.
WARNING: this device should never be installed at the point of use where the end user could change its setting. Point of use device must be of the ASSE 1016 variety. It is recommended that the ZW1017MM be installed with a shut-off valve and thermometer in the tempered water line to provide accurate and safe water mixing temperatures.

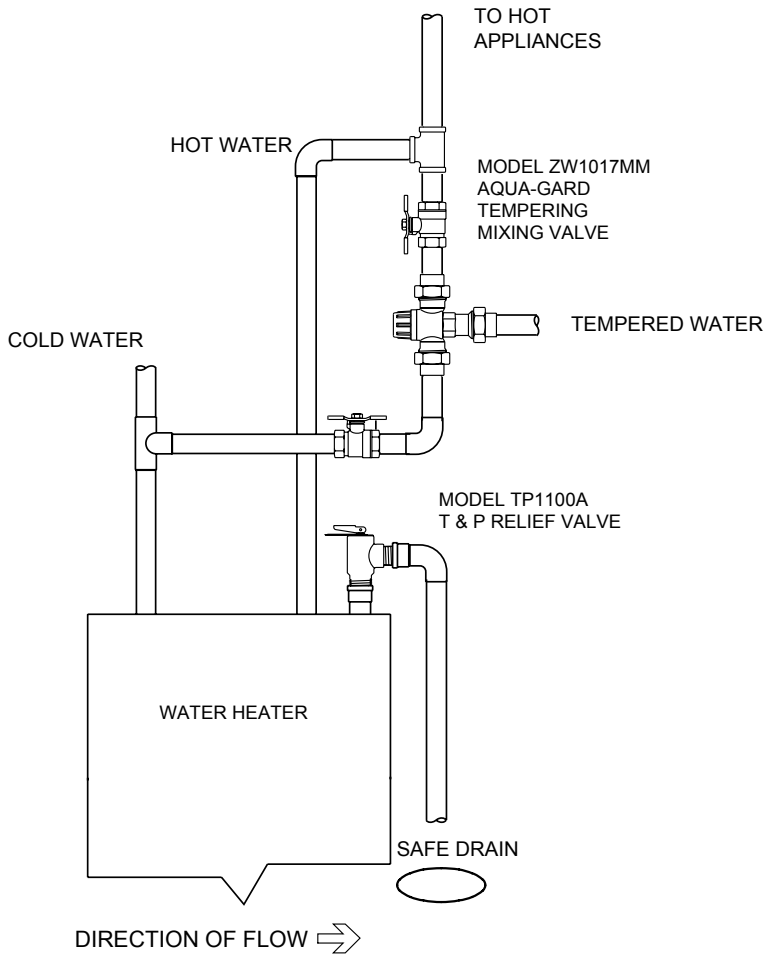
Features

- **3/4", 1"**
- Outlet temperature range 95 – 120°F
- Set temperature accuracy ±5°F
- Factory set 117°F
- High flow capacity ~ 30 gpm @ 45 psi pressure loss
- Used at hot water source to mix hot and cold water in order to reduce the temperature of the hot water in the distribution system to 120°F or less
- ASSE® Listed 1017, CSA® Certified

Options

Model ZW1017MM	Supplied with three FNPT tailpieces and union nuts	**Model ZW1017MMM**	Supplied with three MNPT tailpieces and union nuts
Model ZW1017MMC	Supplied with three female copper sweat tailpieces and union nuts	**Model ZW1017MMPEX**	Supplied with three male PEX tailpieces and union nuts
Model ZW1017MMCPVC	Supplied with three female CPVC tailpieces and union nuts	**For Additional Information, reference WK-AG catalog or visit our web site.**	

Typical Installation



Thermostatic Mixing Valves

Model ZW1017HT

Applications

The Wilkins Model ZW1017HT higher temperature range Aqua-Gard tempering mixing valve, when installed at the hot water source, is designed for radiant heating systems only and not for potable water use. The ZW1017HT is designed to mix the hot and cold water to establish a mixed temperature range of 80°F to 165°F.
WARNING: This device should never be installed at the point of use where the end user could change its setting. It is recommended that the ZW1017HT be installed with shut-off valve and thermometer in the tempered water line to provide accurate and safe water mixing temperature.

Features

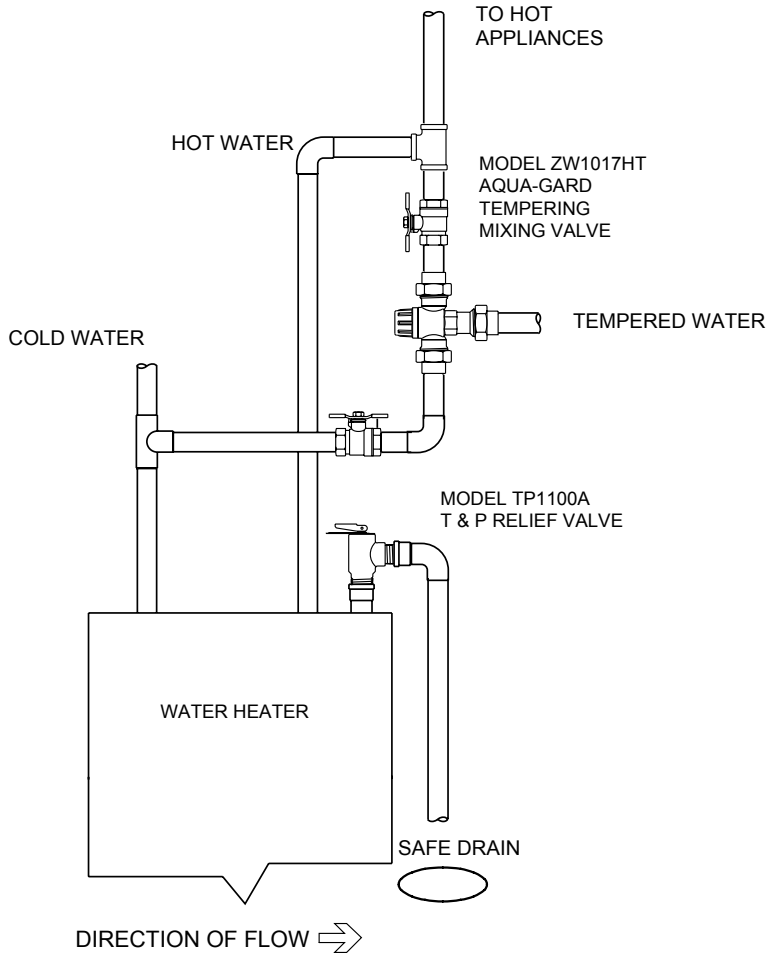
- **3/8", 1/2", 3/4", 1"**
- Tempering mixing valve
- Certified to ASSE standard 1017
- Flow capacity ~ 18 gpm @ 45 psi pressure loss
- Radiant heat systems distribution application. Not to be used at point of use
- Outlet temperature range of 80° – 165°F
- Integral check valves and stainless steel strainers (no strainer in 38-ZW1017 comp)

Options

Model ZW1017HT	Supplied with three FNPT tailpieces and union nuts.
Model ZW1017HTC	Supplied with three female copper sweat tailpieces and union nuts.
Model ZW1017HTCOMP	Supplied with three 3/8" compression tailpieces and union nuts.
Model ZW1017HTCPVC	Supplied with three female CPVC tailpieces and union nuts.
Model ZW1017HTM	Supplied with three MNPT tailpieces and union nuts.
Model ZW1017HTPEX	Supplied with three male PEX tailpieces and union nuts.

For Additional Information, reference WK-AG catalog or visit our web site.

Typical Installation



Thermostatic Mixing Valves

Model ZW1070

Applications

The Wilkins Model ZW1070 Aqua-Gard thermostatic mixing valve is designed to be installed at the point of use to assist in the prevention of scalding. The valve's extremely rapid response rate makes it most suitable for installation at plumbing fixtures and appliances for the final control of water temperature. The ZW1070 is ASSE 1016 and ASSE 1070 listed for point of use and will mix hot and cold water from the distribution system to a final safer temperature of 95-115°F (35-46°C). Multiple end configurations make this valve suitable for all residential and commercial installations.

Features

- **3/8", 1/2", 3/4", 1"**
- Thermostatic mixing valve (anti-scald)
- Certified to ASSE standard 1016 (1996 edition) and 1070
- CSA® Certified
- Point of use application
- Set temp accuracy ±3°F
- Final safe temperature range of 95° – 115°F
- Integral check valves and stainless steel strainers (no strainer in 38-ZW1017 Comp)
- Rough chrome plated
- Flow capacity ~ 10 gpm @ 45 psi pressure loss

Options

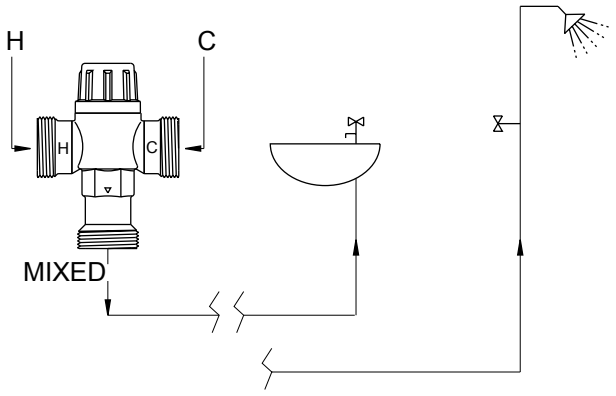
Model ZW1070	Supplied with three FNPT tailpieces and union nuts
Model ZW1070C	Supplied with three female copper sweat tailpieces and union nuts
Model ZW1070COMP	Supplied with three compression tailpieces and union nuts
Model ZW1070CPVC	Supplied with three female CPVC tailpieces and union nuts
Model ZW1070M	Supplied with three MNPT tailpieces and union nuts
Model ZW1070PEX	Supplied with three male PEX tailpieces and union nuts

For Additional Information, reference WK-AG catalog or visit our web site.

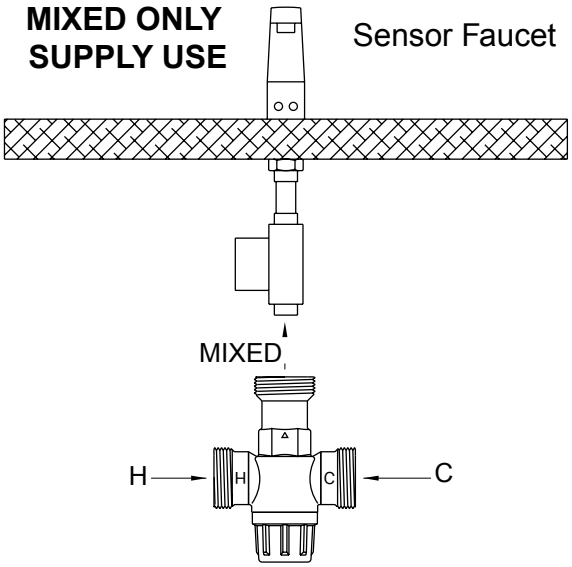
Typical Installation

The device is designed to be installed at a single outlet. It may be used to supply individual outlets when there is sufficient supply pressure. It is suggested to use ball valves on the hot and cold inlet supplies.

COLD & MIXED SUPPLY USE



MIXED ONLY SUPPLY USE



Thermostatic Mixing Valves

Model ZW3870T and ZW3870T-4P

Applications

The Wilkins Model ZW3870T Aqua-Gard thermostatic mixing valve is designed to be installed at the point of use under sinks and sensor faucets to assist in the prevention of scalding. The valves rapid response and precise temperature control meet the stringent standards of ASSE 1016 (1996). The ZW3870T will mix hot and cold water from the distribution system to a final safer temperature outlet range of 95° – 115° F (35-46C). The 3/8" compression fittings make this valve ideal for residential and commercial applications.

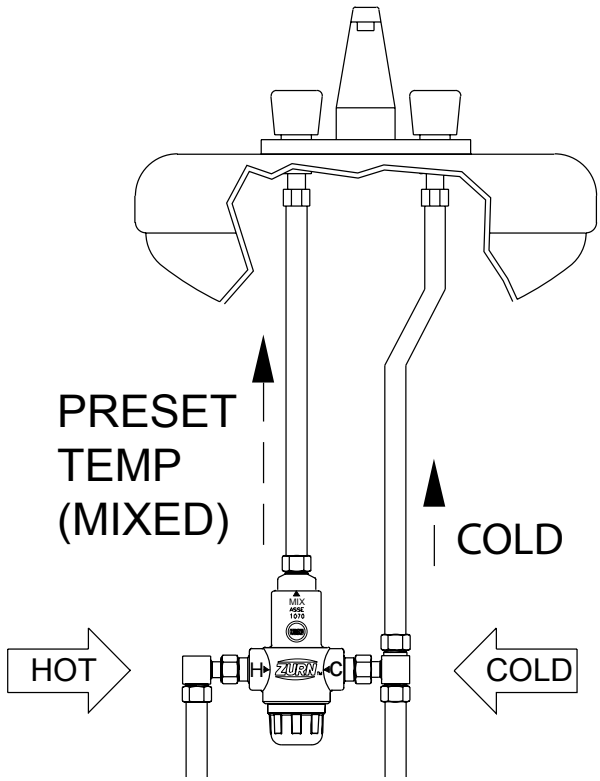
Features

- **3/8" Compression**
- Thermostatic mixing valve (anti-scald)
- Outlet temperature range: 95 – 115°F (35 – 46°C)
- Set temperature accuracy: ±3°F (1.78°C)
- Temperature must be field set
- Flow rate ~ 3.10 gpm @ 45 psi pressure loss
- Certified to ASSE standard 1016 (1996 ed.) and ASSE 1070
- CSA® Certified
- Point of use application under sinks and sensor faucets
- Integral check valves
- Includes wall clamp

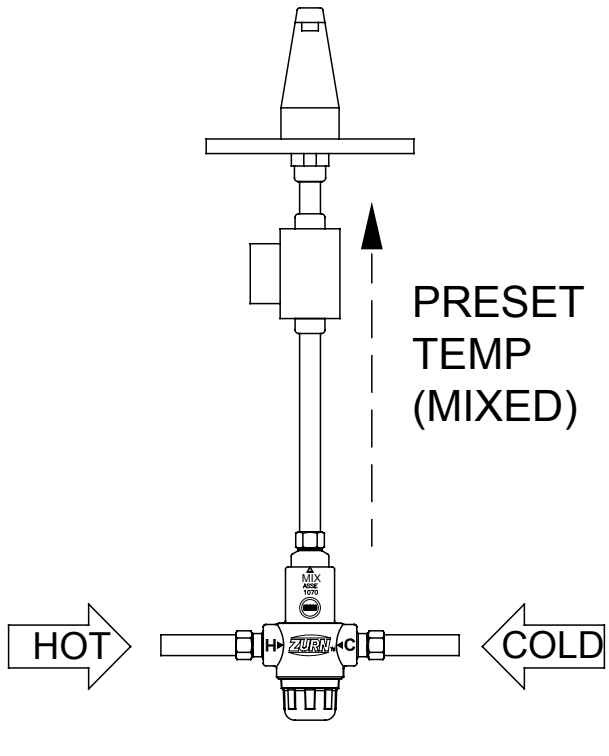
For Additional Information, reference WK-AG catalog or visit our web site.

Typical Installation

The device is designed to be installed at a single outlet. It may be used to supply individual outlets when there is sufficient supply pressure. It is suggested to use ball valves on the hot and cold inlet supplies.



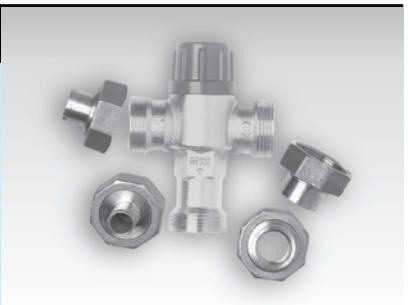
COLD & MIXED SUPPLY USE ZW3870T-4P



MIXED ONLY SUPPLY USE ZW3870T

Thermostatic Mixing Valve Accessories

Tailpiece Kits TPK Series



Applications

Designed for connection to different types of plumbing systems. Available in a variety of sizes & configurations required to install thermostatic mixing valves.

Features

- **3/8", 1/2", 3/4", 1"**
- Brass tailpiece – ASTM B-16
- CPVC tailpiece – ASTM D2846
- Cast brass union nut – ASTM B584
- EPDM gasket

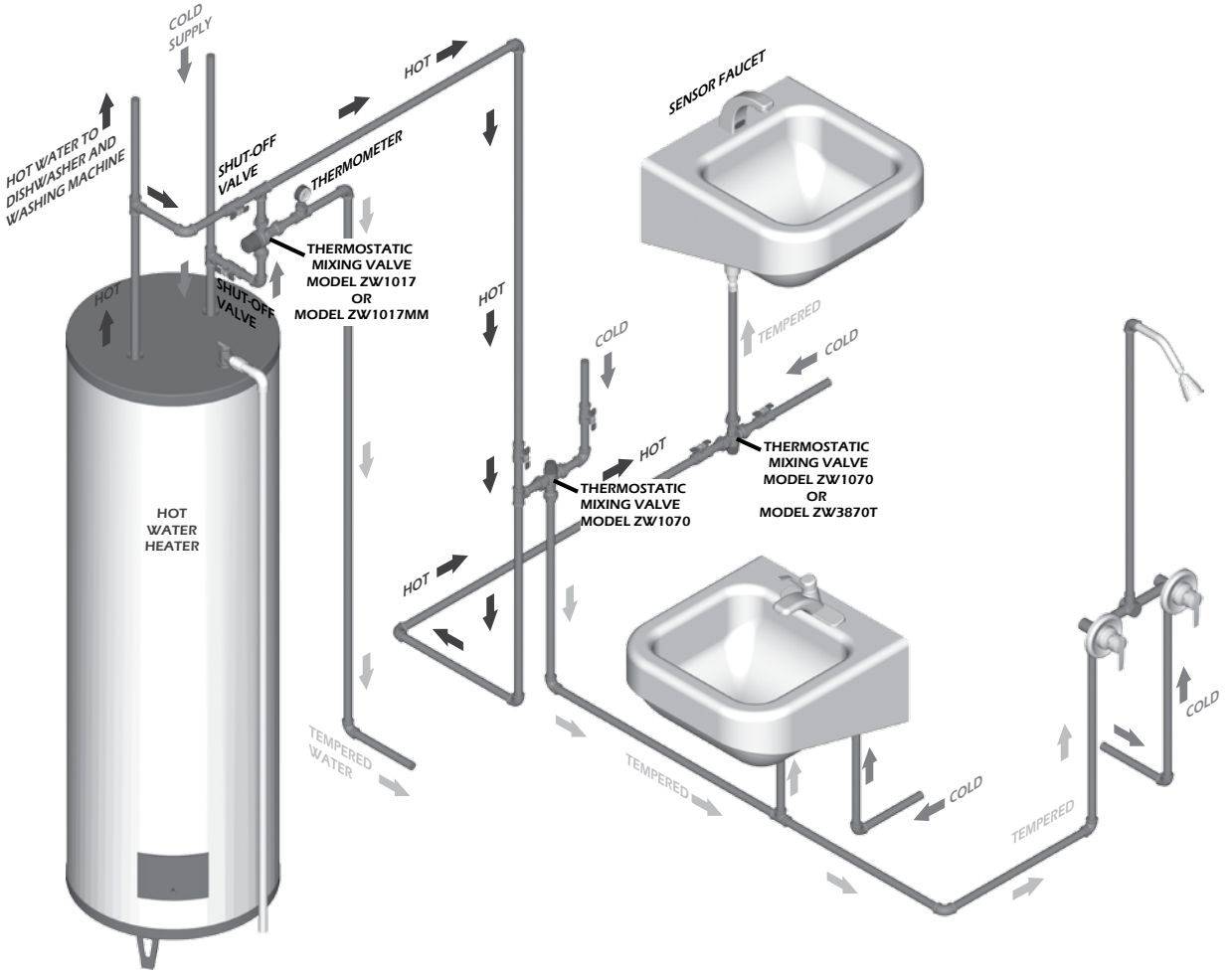
Options

Model TPK	FNPT union tailpiece kit	**Model TPKM**	MNPT union tailpiece kit
Model TPKC	Female copper sweat union tailpiece kit	**Model TPKPEX**	Male PEX union tailpiece kit
Model TPKCOMP	Compression union tailpiece kit	**ZW3870-4P-KIT**	Compression elbow & compression in-line fittings
Model TPKCPVC	Female CPVC union tailpiece kit		

Accessories

Model TMV-3 – CBNP Wall Access Cover

- ❑ Size 10" x 10"
- ❑ Tamper resistance fasteners
- ❑ Nickel plated finish



Temperature & Pressure Relief Valves

Residential T&P Valve TP1100A Series

(TP1100A-4C Shown)

Applications

Designed for installation on potable water heaters to protect against over-temperature or excessive pressure.

Features

- 3/4" temperature and pressure relief valve for water heaters
- Relieving temperature 210°F
- Relieving pressure 150 psi
- Also available in 75, 100, 125 and 175 psi relief settings
- Exposed probe is protected with an electrostatic epoxy coating
- Male NPT inlet, female NPT outlet
- CSA rated, ASME at 150 psi

Options

Model TP1100A-2C Exposed probe length is 2"
Model TP1100A-4C Exposed probe length is 4"
Model TP1100A-8C Exposed probe length is 8"
Model TP1100AE-3C Extended shank. Exposed probe length is 3"

For Additional Information, Ask For TP-TP&P or visit our web site.

Accessories

- ❑ Expansion tank (Model XT)
- ❑ Water pressure reducing valve (Model NR3)
- ❑ Vacuum relief valve (Model VR10)
- ❑ Expansion control ball valves (Model BVEC)

Typical installation & information, please see page 86.

X Ref

WILKINS	WATTS	CONBRACO	CASH-ACME
TP1100A-2C	10L-2	18-402	NCLX-1
TP1100A-4C	100XL-4	18-402	NCLX-5
TP1100A-8C	100XL-8	18-402	NCLX-8
TP1100AE-3C	L100XL-3		

Commercial T&P Valve TP220 Series

(TP220-3C Shown)

Applications

Designed for installation on potable water heaters to protect against over-temperature or excessive pressure.

Features

- 3/4" temperature and pressure relief valve for commercial water heaters
- Relieving temperature 210°F
- Relieving pressure 150 psi
- Available in 75, 100 and 125 psi relief settings
- Probe is protected with an electrostatic epoxy coating
- Available with male or female NPT inlet (male standard)
- Female NPT outlet
- CSA rated, ASME at 125 psi and 150 psi

Options

Model TP220-3C Exposed probe length is 3"
Model TP220-5C Exposed probe length is 5"
Model TP220-8C Exposed probe length is 8"

For Additional Information, Ask For TP-TP&P or visit our web site.

Accessories

- ❑ Expansion tank (Model WXTP or XT)
- ❑ Water pressure reducing valve (Model NR3)
- ❑ Vacuum relief valve (Model VR10)
- ❑ Expansion control ball valves (Model BVEC)

Typical installation & information, please see page 86.

X Ref

WILKINS	WATTS	CASH-ACME
TP220-3C	40L-3	FVMX-3C
TP220-5C	40XL-5	FVMX-5C
TP220-8C	40XL-8	FVMX-8C

Temperature & Pressure Relief Valves

Commercial T&P Valve TP3000 Series

Applications

Designed for installation on potable water heaters to protect against over-temperature or excessive pressure.

(TP3000-5C Shown)

Features

- 1" temperature and pressure relief valve for commercial water heaters
- Relieving temperature 210°F
- Relieving pressure 150 psi (standard)
- Probe is protected with an electrostatic epoxy coating
- Available in 75, 100, 125, and 175 psi relief settings
- Female NPT inlet and outlet
- ASME at 125 and 150 psi; CSA rated

Options

Model TP3000-8C Exposed probe length is 8"

Model TP3000-5C Exposed probe length is 5"

For Additional Information, Ask For TP-TP&P or visit our web site.

Accessories

- ❑ Expansion tank (Model WXTP)
- ❑ Water pressure reducing valve (Model NR3)
- ❑ Vacuum relief valve (Model VR10)
- ❑ Expansion control ball valves (Model BVEC)

Typical installation & information, please see page 86.

X Ref

WILKINS	WATTS	CASH-ACME
TP3000-5C	140X-6	FVX-5L
TP3000-8C	140X-9	FVX-8L

P1000A / P220/P3000

Applications

Designed for installation on potable water systems and storage tanks to protect against excessive pressure.

(P1000A shown)

Features

P1000A

- 3/4" pressure relief valve, poppet type
- Available in 15, 30, 50, 75, 100, 125, 150 and 175 psi settings (150 psi standard)
- Male NPT inlet, female NPT outlet
- CSA rated, ASME 30 psi only

P220

- 3/4" pressure relief valve, diaphragm type
- Available in 30, 50, 75, 100, 125 and 150 psi settings (150 psi standard)
- Available with male or female inlet (male standard)
- CSA rated

P3000

- 1" pressure relief valve, diaphragm type
- Available in 30, 50, 75, 100, 125 and 150 psi settings (150 psi standard)
- Available in female inlet only
- CSA rated

For Additional Information, Ask For TP-TP&P or visit our web site.

Accessories

- ❑ Expansion tank (Model WXTP & XT)
- ❑ Water pressure reducing valve (Model NR3)
- ❑ Vacuum relief valve (Model VR10)
- ❑ Expansion control ball valves (Model BVEC)

Typical installation & information, please see page 86.

X Ref

WILKINS	WATTS	CONBRACO	CASH-ACME
P1000A	3L	17-402	FWL-2
P220	174A		F-82
P3000	174A		F-82

Pressure Relief Valves

Model P3000BR

Applications

Designed for use on hot water space heating boilers, water supply heaters and storage tanks. These valves are designed for use on hot water service only and are not to be used for steam.

Features

- **3/4", 1", 1¼", 1½", 2"**
- High capacity pressure only relief valve
- Bronze body construction
- Designed for use on hot water space heating boilers, water supply heaters and storage tanks
- Designed for use on hot water service only, not to be used for steam
- Available with factory pressure relief settings of 30, 50, 75, 100, 125, 150 psi
- Pop-type design provides full opening as soon as pressure under the seat reaches the valve's pressure setting
- Female inlet and outlet
- ASME listed and rated

For Additional Information, Ask For TP-P3000BR or visit our web site.

Accessories

- ❑ Expansion tank (Model WXTP or WTTA)
- ❑ Water pressure reducing valve (Model 80CI)
- ❑ Backflow preventer (Model 760)

Typical installation & information, please see page 86.

X Ref

WILKINS	WATTS	CONBRACO	CASH-ACME
P3000BR	374A, 174A	10-600	F-82

Model P3000CI

Applications

Designed for pressure protection for commercial/industrial OEM boilers and hot water heating system applications. These valves are designed for use on hot water service only and not to be used for steam.

Features

- **3/4"** x **1"**, **1"** x **1¼"**, **1¼"** x **1½"**, **1½"** x **2"**, **2"** x **2½"**
- Expanded outlet water safety relief valve
- Cast iron body construction
- Provides pressure protection for nearly all commercial boilers and hot water heating system applications
- Designed for hot water service only, not to be used for steam
- Available with factory pressure relief settings of 30, 50, 75 psi
- Female inlet and outlet
- ASME listed and rated

For Additional Information, Ask For TP-P3000CI or visit our web site.

Accessories

- ❑ Expansion tank (Model WXTP or WTTA)
- ❑ Water pressure reducing valve (Model 80CI)
- ❑ Backflow preventer (Model 760)

Typical installation & information, please see page 86.

X Ref

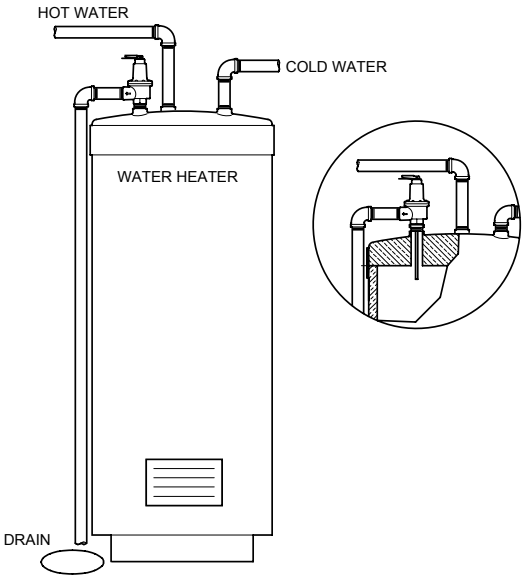
WILKINS	WATTS	CASH-ACME
P3000CI	740	F-95

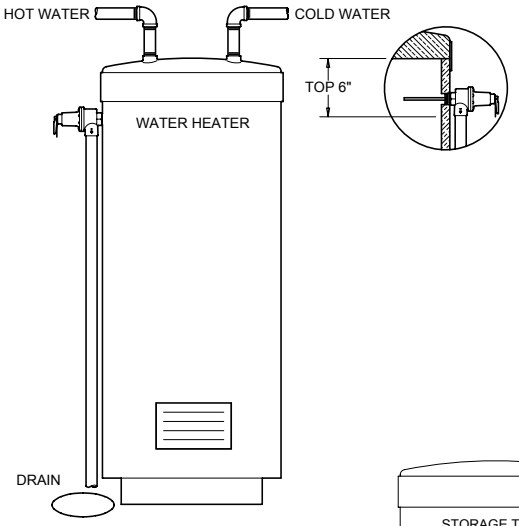
Temperature & Pressure Relief Valves

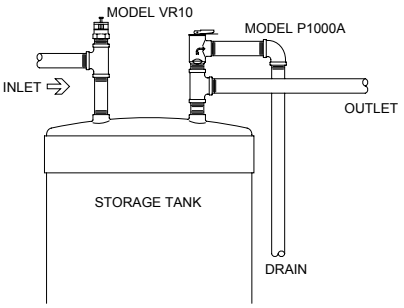
P1000A/P220/P3000/TP3000/TP220 & TP1100A Series Typical Installations

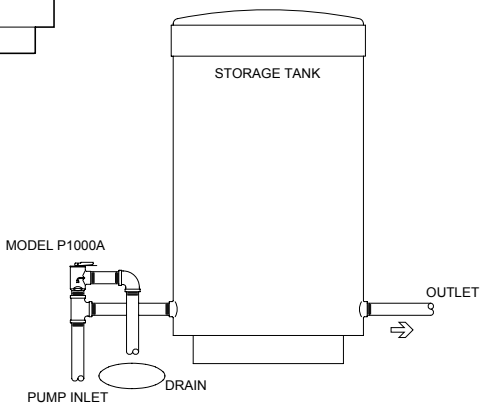
Typical Installation

Local codes shall govern installation requirements. Unless other wise specified, the relief valve installed in accordance with the manufacturer's instruction and the latest edition of the Uniform Plumbing Code.







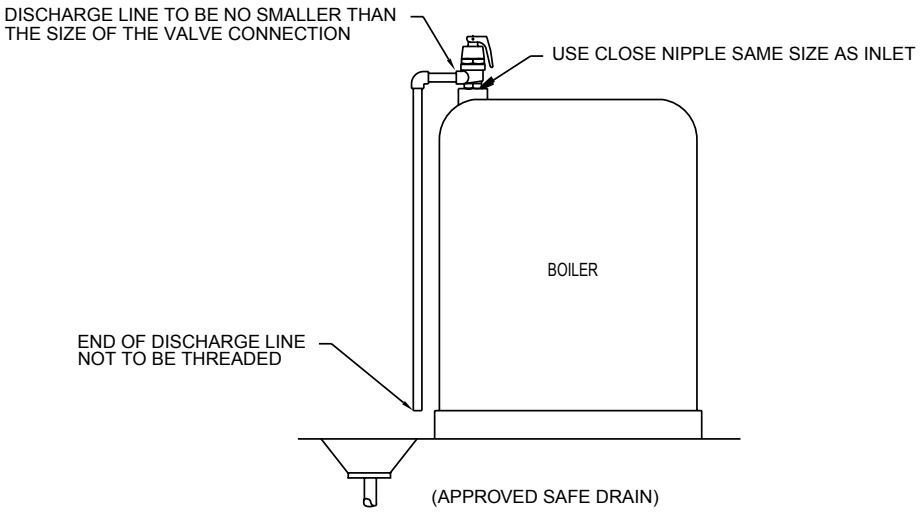


Model P3000CI & P3000BR Typical Installation

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the relief valve shall be installed in accordance with manufacturers' instructions and the latest edition of the Uniform Plumbing Code ®.

CAUTION: Relief valves are designed to discharge water, should the proper conditions arise. In order to prevent water damage, relief valves must be plumbed outside the building or to an approved, safe drain as described by the Uniform Plumbing Code.



Pressure Relief Valves

Calibrated Pressure Relief Valve P1500 Series

Applications

Designed for installation on cold water service lines as a means of protection against excessive pressure buildup. These devices are for pressure only and should be used in conjunction with other temperature limiting devices. Also suitable for static relief, low capacity pump relief, passive solar, thermal expansion relief and other similar uses in commercial and industrial applications.

Features

- **1/2", 3/4"**
- Pressure relief valve poppet type
- All bronze body
- For cold water relief only
- Calibrated adjustments from 25 to 175 psi
- Scale permanently etched on stem
- Male NPT inlet, female NPT outlet

For Additional Information, Ask For TP-P1500 or visit our web site.

Accessories

- ❑ Water Pressure Reducing Valve (Model NR3)
- ❑ Vacuum Relief Valve (Model VR10)

Typical installation & information, please see page 88.

X Ref

WILKINS	WATTS
P1500	530

P1550 Series

Applications

Designed for installation on cold water service lines as a means of protection against excessive pressure buildup. These devices are for pressure only and should be used in conjunction with other temperature limiting devices. Also suitable for static relief, low capacity pump relief, passive solar, thermal expansion relief and other similar uses in commercial and industrial applications.

Features

- **1/2", 3/4"**
- For pressure relief only
- Pressure settings 75 or 125 psi
- Male NPT inlet, female NPT outlet

For Additional Information, Ask For TP-P1500 or visit our web site.

Accessories

- ❑ Water pressure reducing valve (Model NR3)
- ❑ Vacuum relief valve (Model VR10)

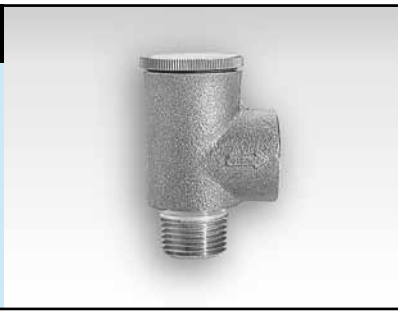
Typical installation & information, please see page 88.

X Ref

WILKINS	WATTS
P1550	53

Pressure Relief Valves

Thermal Pressure Relief Valve P1520 Series



Applications

Designed for installation on cold water service lines as a means of protection against excessive pressure buildup. These devices are for pressure only and should be used in conjunction with other temperature limiting devices. Also suitable for static relief, low capacity pump relief, passive solar, thermal expansion relief and other similar uses in commercial and industrial applications.

Features

- **1/2", 3/4"**
- High capacity pressure relief valve
- Designed to relieve excessive system pressure caused by thermal expansion
- All bronze body
- For cold water relief only
- Pressure settings 50, 75, 100 or 125 psi
- Male NPT inlet, female NPT outlet

For Additional Information, Ask For TP-P1500 or visit our web site.

Accessories

- ❑ Water pressure reducing valve (Model NR3)
- ❑ Vacuum relief valve (Model VR10)

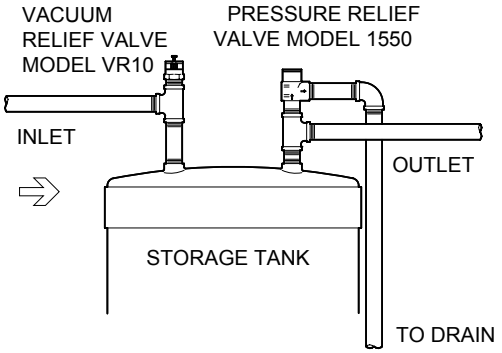
X Ref

WILKINS	WATTS
P1520	53

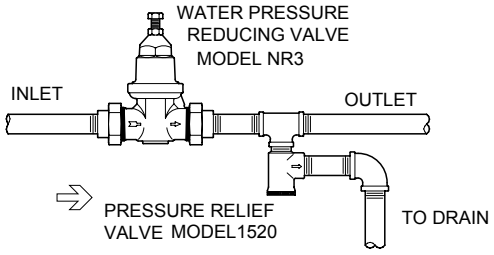
P1500/P1550 & P1520 Series Typical Installations

Typical Installation

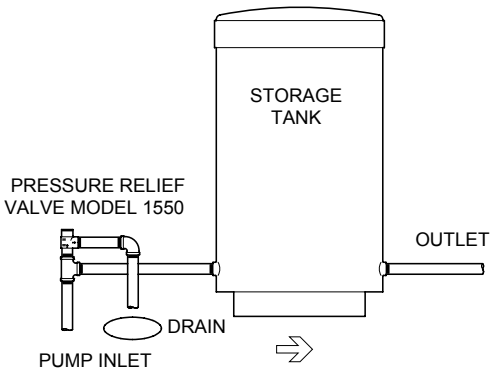
Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Assembly shall be installed with adequate drain and sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged or where relief valve discharge could cause damage.

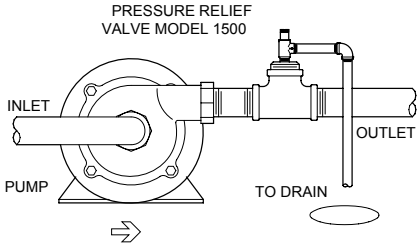


TYPICAL INSTALLATION



TYPICAL INSTALLATION





Pressure Relief Valves

Model P4000 Pressure Relief Valve

Applications

The pressure relief valve prevents pressure build-up in a fire protection system or other closed type system whenever the line pressure exceeds the setting of the spring. The valve will relieve excess pressure to atmosphere preventing damage to the distribution network. Ideal for installation on fire protection systems to protect against excessive pressure build-up caused by pumps, elevated piping and thermal expansion.

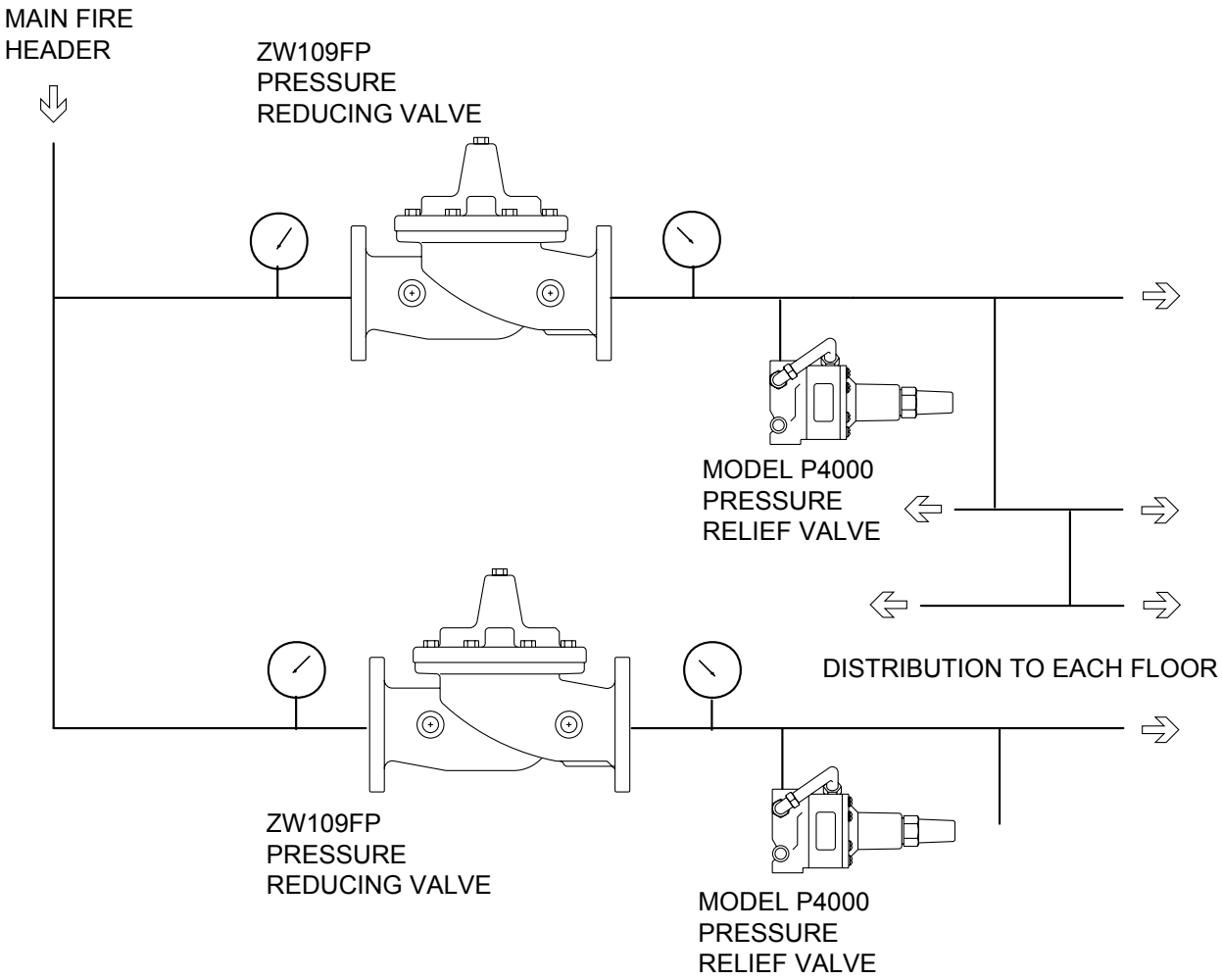
Features

- **1/2", 3/4"**
- Ideal for installation on fire sprinkler systems
- Protects against excessive pressure buildup caused by pumps, elevated piping and thermal expansion
- Available pressure ranges: 0 to 75 psi (FM), 20 to 175 psi (UL/FM), 100 to 300 psi (FM)
- Temperature range: water, air to 180°F
- Body and cover materials: cast bronze ASTMB62, cast aluminum 356-T6, stainless steel ASTM A743C7-167A
- UL® listed, FM® Approved

For Additional Information, reference WK-ACV catalog or visit our web site.

Typical Installation

Underwriters Laboratories requires the installation of pressure gauges upstream and downstream of the pressure reducing valve. Also, a relief valve of not less than 1/2" in size must be installed on the downstream side of the pressure control valve. Adequate drainage for the relief valve discharge must be provided.



Potable Water Expansion Tank Sizing Charts

Model XT

Supply Pressure (psig)	WATER HEATER CAPACITY (U.S. gal)										
	20	30	40	50	60	80	100	120	150	175	200
40	8	8	8	8	8	18	18	18	35	35	35
50	8	8	8	8	8	18	18	18	35	35	35
55	8	8	8	8	8	18	18	18	35	35	35
60	8	8	8	8	18	18	18	18	35	35	35
70	8	8	8	18	18	18	18	35	35	35	35
80	8	8	18	18	18	18	35	35	35	35	35
90	8	18	18	18	18	35	35	35	35		
100	18	18	18	18	35	35	35				
110	18	18	35	35	35						
120	35	35	35								

= Use Model WXTP Based upon 100° temperature rise (40° F to 140° F)

Model WXTP

Supply Pressure (psig)	WATER HEATER CAPACITY (U.S. gal)										
	20	30	40	50	60	80	100	120	150	175	200
90										50V	50V
100								50V	50V	50V	50V
110						50V	50V	50V	50V	75V	75V
120				50V	50V	50V	50V	50V	120V	120V	120V
	240	260	280	300	350	400	450	500	600	800	1000
40				50V	50V	75V	75V	75V	120V	120V	165V
50				50V	50V	75V	75V	75V	120V	120V	165V
55				50V	50V	75V	75V	75V	120V	120V	165V
60			50V	50V	50V	75V	75V	75V	120V	120V	165V
70	50V	50V	50V	50V	50V	75V	75V	75V	120V	120V	165V
80	50V	50V	50V	50V	75V	75V	75V	120V	120V	165V	165V
90	50V	50V	75V	75V	75V	120V	120V	120V	120V	165V	320V
100	75V	75V	75V	120V	120V	120V	120V	165V	165V	320V	320V
110	120V	120V	120V	120V	165V	165V	165V	320V	320V	320V	X
120	165V	165V	165V	320V	320V	320V	320V	320V	X	X	X

= Use Model XT Based upon 100° temperature rise (40° F to 140° F)

Model WTTA

Supply Pressure (psig)	WATER HEATER CAPACITY (U.S. gal)										
	20	30	40	50	60	80	100	120	150	175	200
40	WTTA-5	5	5	5	5	5	5	5	12	12	12
50	5	5	5	5	5	5	5	5	12	12	20
55	5	5	5	5	5	5	5	5	12	12	20
60	5	5	5	5	5	5	5	12	12	20	20
70	5	5	5	5	5	5	5	12	20	20	20
80	5	5	5	5	5	5	12	12	20	20	30
90	5	5	5	5	5	12	12	20	20	30	30
100	5	5	5	5	12	20	20	20	30	30	30
110	5	5	12	12	20	20	30	30	30	42	42
	240	260	280	300	350	400	450	500	600	800	1000
40	30	30	30	30	30	30	30	30	30	42	100
50	30	30	30	30	30	30	30	30	42	42	100
55	30	30	30	30	30	30	30	30	42	60	100
60	30	30	30	30	30	30	30	30	42	60	100
70	30	30	30	30	30	30	42	42	42	80	100
80	30	30	30	30	30	42	42	42	60	80	100
90	30	30	30	30	42	42	60	60	80	100	125
100	42	42	42	42	60	60	80	80	100	125	160
110	42	60	60	80	80	100	100	100	125	180	WTTA-210

Tank pressure to match water inlet pressure.
Sizing for heating from 40° F to 140° F
Maximum pressure 135 psi

Miscellaneous Plumbing Products

Potable Water Expansion Tank XT Series

Applications

Designed for installation on potable water lines between the backflow preventer or pressure reducing valve and the water heater to protect against water thermal expansion. When system pressure increases, water enters the tank's polypropylene lined water chamber which expands a diaphragm into a pre-charged air chamber, keeping system pressure below the relief vale setting.

Features

- **2.1 gal. – 8.5 gal.**
- Diaphragm type expansion tank for water heaters
- Maximum pressure 150 psi
- Maximum water temperature 200°F
- Factory air pre-charge – 40 psi
- Polypropylene lined water chamber
- IAPMO® Listed
- NSF® listed

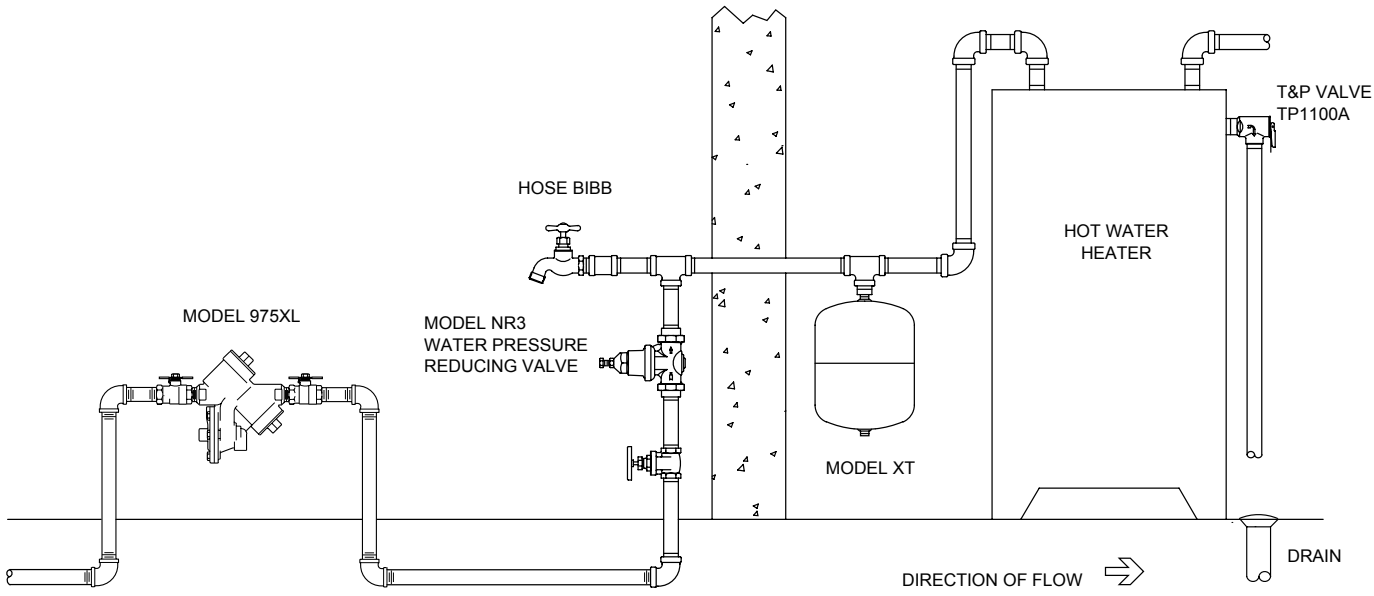
For Additional Information, Ask For WXT-XT or visit our web site.

Accessories

- ❑ Water pressure reducing valve (Model NR3)
- ❑ Temperature & pressure relief valve (Model TP1100A)
- ❑ Pressure relief valve (Model P1000A)
- ❑ Pressure relief valve (Model P3000CI)
- ❑ Pressure relief valve (Model P3000BR)
- ❑ Reduced pressure backflow preventer (Model 975XL)
- ❑ Vacuum relief valve (Model VR10)

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted on the cold water supply and at least 18" from the cold water inlet to the heater.
NOTE: Pre-charge should be adjusted to match incoming water pressure (adjust pre-charge with no water pressure in tank). Not to exceed 80psi.



X Ref

WILKINS	FLEXCON	AMTROL	WATTS	STATE	SPARCO	ELBI
XT-8	WH-8	ST-5	DET-5, PLT-5	ETC-2X	TX-5	DXT-8
XT-18	WH-18	ST-12	DET-12, PLT-12	ETC-5X	TX-12V	DXT-18
XT-35	WH-32	ST-25V	DET-20	ETC-10X	TX-25V	DXT-24

WILKINS	WESSELS	RHEEM	BELL&GOSSETT	CASH ACME	A. O. SMITH
XT-8	T-5	RRT-5	PT-5	TE-5	PMC-2
XT-18	T-12	RRT-12	PT-12	TE-12	PMC-5
XT-35	T-25	RRT-25	PT-25V	TE-25	PMC-10

Miscellaneous Plumbing Products

Potable Water Expansion Tank WXTP Series

Applications

Designed for installation on potable water lines between the backflow preventer or pressure reducing valve and the water heater to protect against water thermal expansion. When system pressure increases, water enters the tank's bladder which expands into the pre-charged air chamber, keeping system pressure below the relief valve setting.

Features

- **14 gal. – 85 gal.**
- Bladder type expansion tank for water heaters
- Maximum pressure 150 psi
- Maximum water temperature 200°F
- Factory air pre-charge – 40 psi
- Free standing base mounted
- 5 year warranty
- IAPMO® Listed
- NSF® listed

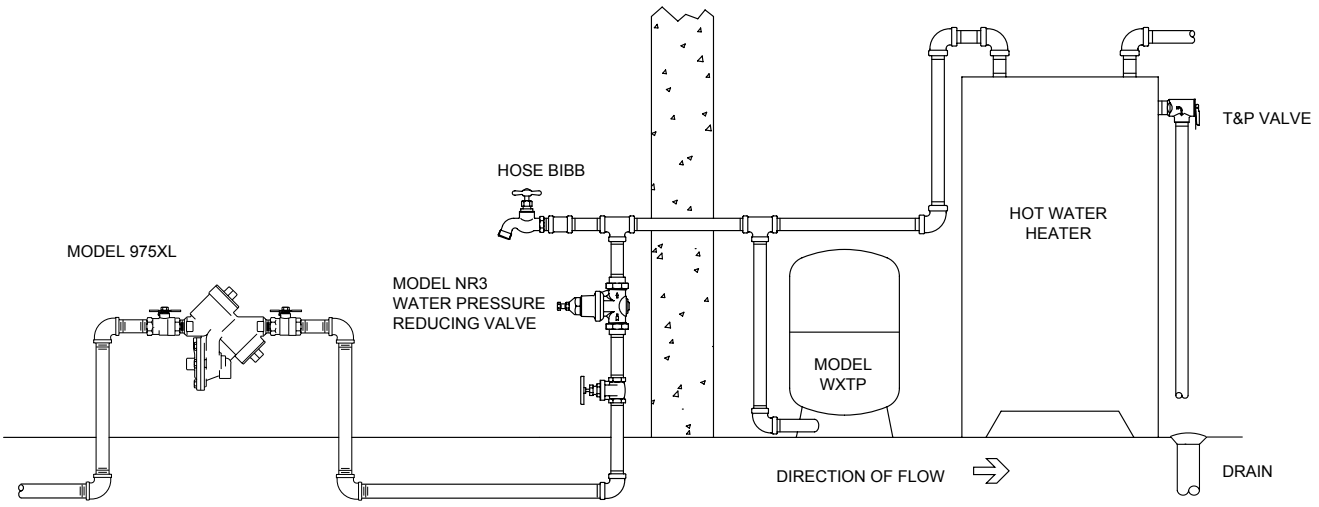
For Additional Information, Ask For WXT-WXTP or visit our web site.

Accessories

- ❑ Water pressure reducing valve (Model NR3)
- ❑ Temperature & pressure relief valve (Model TP1100A)
- ❑ Pressure relief valve (Model P1000A)
- ❑ Reduced pressure backflow preventer (Model 975XL)

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted on the cold water supply and at least 18" from the cold water inlet to the heater.
NOTE: If incoming water pressure is above 40 psi, the pre-charge pressure of the expansion tank should be adjusted to equal the incoming water pressure, not to exceed 80 psi.



X Ref

WILKINS	FLEXCON	AMTROL	WATTS	STATE	SPARCO	BELL&GOSSETT	WESSELS
WXTP-50V	WH-50V	ST-30V	DET-35	ETC-15	TX-30V	PT-30V	TXC-30V
WXTP-75V	WH-75V	ST-42V		ETC-20	TX-42V	PT-42V	
WXTP-120V	WH-120V	ST-60V		ETC-36	TX-60V	PT-60V	
WXTP-165V	WH-165V	ST-80V			TX-80V	PT-80V	
WXTP-235V	WH-235V	ST-180V			TX-180V	PT-180V	
WXTP-320V	WH-320V	ST-210V		ETC-86	TX-210V	PT-210V	

Miscellaneous Plumbing Products

ASME Thermal Expansion Tank WTTA Series

Applications

Designed for installation on potable hot water systems to protect against thermal expansion. All WTTA tanks are ASME Section VIII fixed bladder type for commercial and industrial applications. When system pressure increases due to thermal expansion, water enters the tank's bladder which expands into the pre-charge air chamber, keeping system pressure below the relief valve setting.

Features

- **3.5 gal. – 90.0 gal.**
- Fixed bladder type for commercial and industrial applications
- Maximum pressure 150 psi
- ASME Section VIII
- Maximum temperature 240°F
- Factory air pre-charge – 40 psi

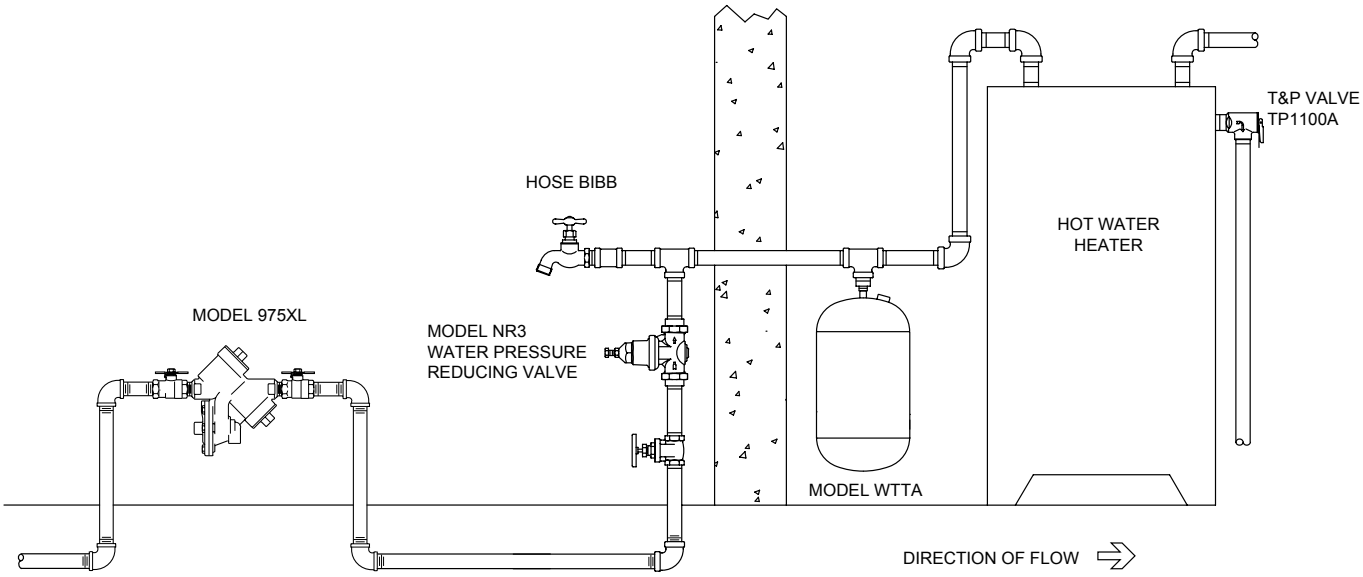
For Additional Information, Ask For WXT-WTTA or visit our web site.

Accessories

- ❑ Water pressure reducing valve (Model NR3)
- ❑ Temperature & pressure relief valve (Model TP1100A)
- ❑ Pressure relief valve (Model P1000A)
- ❑ Pressure relief valve (Model P3000CI)
- ❑ Pressure relief valve (Model P3000BR)
- ❑ Reduced pressure backflow preventer (Model 975XL)

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at least 18" from the cold water inlet to the heater. NOTE: Pre-charge should be adjusted to match incoming water pressure after installation (adjust pre-charge with no water pressure in tank).



X Ref

WILKINS	AMTROL	WATTS	ELBI	WESSELS	TACO
WTTA-5	ST-5-C	DETA-5	DTS-8	TTA-5	
WTTA-12	ST-12-C	DETA-12	DTS-19	TTA-12	
WTTA-20	ST-20V-C	DETA-20	DTS-30	TTA-20	CX30
WTTA-30	ST-30V-C	DETA-30	DTS-45	TTA-30	
WTTA-42	ST-42V-C	DETA-42	DTS-80	TTA-42	CX84
WTTA-60	ST-60V-C	DETA-60	DTS-100	TTA-60	
WTTA-80		DETA-80	DTS-140	TTA-80	CX130
WTTA-100		DETA-100	DTS-170	TTA-100	CX170
WTTA-125	ST-80V-C	DETA-125	DTS-200	TTA-125	CX215
WTTA-160	ST-120V-C	DETA-160		TTA-160	CX254
WTTA-180	ST-180V-C	DETA-180	DTS-300	TTA-180	CX300
WTTA-210	ST-210V-C	DETA-210	DTS-400	TTA-210	CX350

Miscellaneous Plumbing Products

Hydronic Expansion Tank HXT Series

Applications

Designed for installation on residential and commercial hydronic heating and cooling systems as a means of pressure control due to thermal expansion.

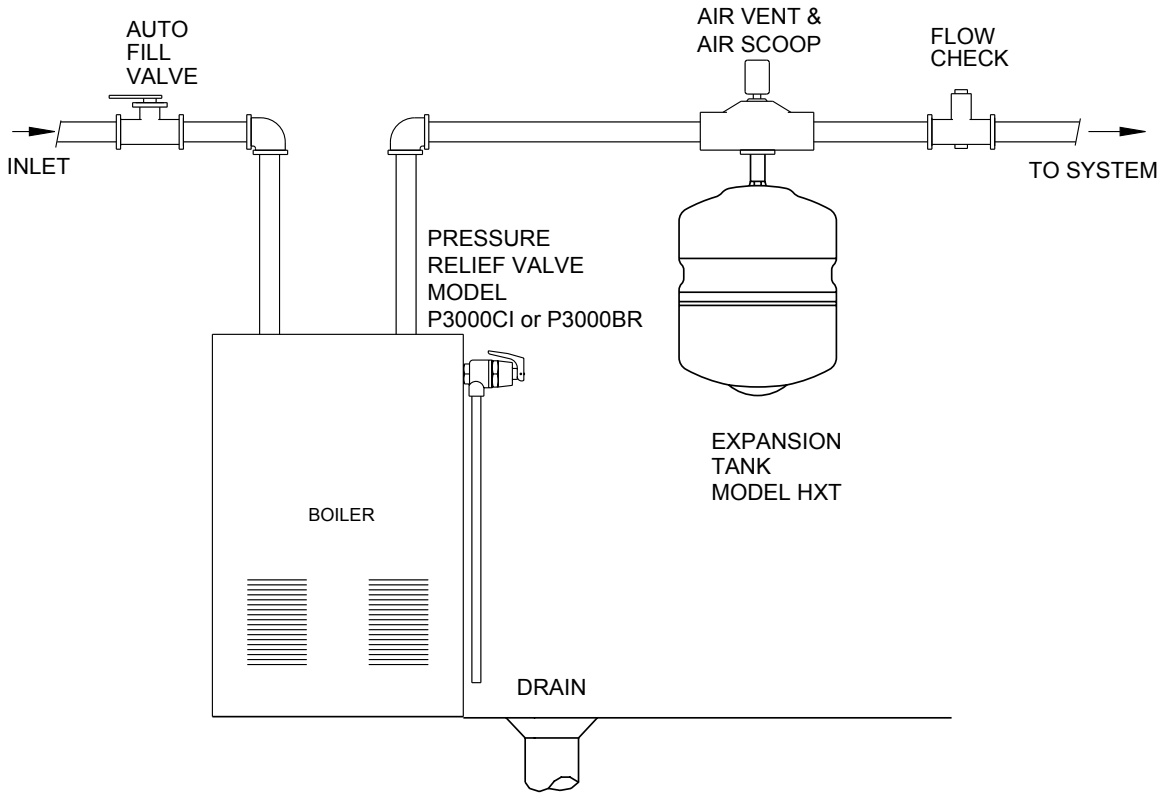
Accessories Features

- **2.1 gal. – 13.5 gal.**
- Expansion tank for pressure control in hydronic heating and cooling systems
- Maximum pressure 115 psi
- Maximum temperature 240°F
- Factory air pre-charge – 12 psi

For Additional Information, Ask For WXT-HXT/Hydronics Catalog or visit our web site.

- ❑ Fast fill regulator (Model 80CI)
- ❑ Pressure relief valve (Model P3000CI)
- ❑ Pressure relief valve (Model P3000BR)
- ❑ Pressure relief valve (Model P1000A)
- ❑ Dual check valve with atmospheric vent (Model 760)
- ❑ Combination 80CI and 760 (Model 876CI)

Typical Installation



X Ref

WILKINS	FLEXCON	AMTROL	WATTS	STATE	SPARCO	ELBI	COMBRACO
HXT-15	HXT15	15	ET-15	ET-2	TK300-15	XT-15	16XT102
HXT-30	HXT30	30	ET-30	ET-5	TK300-30	XT-30	16XT302
HXT-60	HXT60	60	ET-60	ET-7	TK300-60	XT-60	16XT502
HXT-90	HXT90	90	ET-90	ET-12	TK300-90	XT-90	16XT702

Miscellaneous Plumbing Products

Water Heater Shut-off Valve with Integral Thermal Expansion Relief Valve BVEC Series

Applications

The Wilkins BVEC series was designed to solve the need for a water heater shut-off and thermal expansion control in a single valve. Virtually all national plumbing codes require a shut-off valve be placed in advance of a water heater. If the plumbing system is equipped with a backflow preventer or the street pressure is greater than 150 psi, thermal expansion must be controlled. The BVEC is equipped with a relief valve for controlling thermal expansion. The BVEC will save money in any installation by eliminating the need for a separate relief valve to control thermal expansion. The relief valve discharge must be piped to a safe drain.

Features

- Available in 3/4" copper sweat, PEX or NPT and 1" NPT
- Relief valve settings of 80, 100, and 125 psi
- Maximum temperature 210°F
- Shut-off valve made from corrosion resistant, cast bronze. Teflon seats against hard chrome bronze ball provide bubble tight shut-off. Corrosion resistant Electroless nickel plated handle provides long life and attractive finish
- Integral thermal expansion relief valve is forged from brass. Relief valve utilizes a Buna-N seat washer and a stainless steel spring for long lasting, continuous duty applications
- With optional 3/8" compression fitting (CF), 3/8" barb fitting (BF) or 1/2" PEX fitting (PEX) for attachment of drain line to drain water to a safe location
- Install as a water heater shut-off valve
- IAPMO® Listed

Models

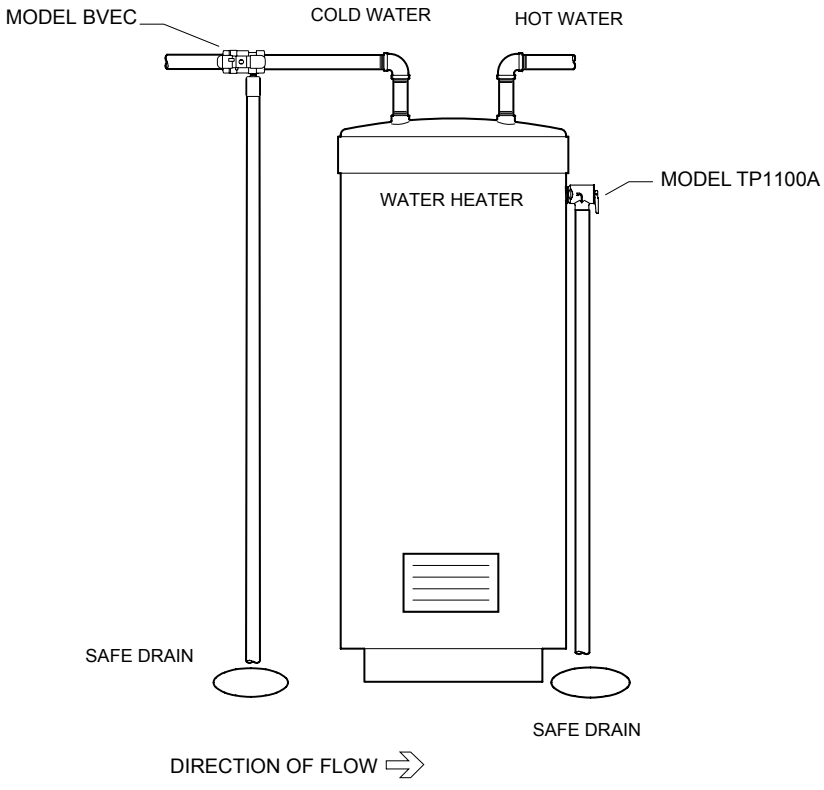
Model BVEC	With FNPT inlet & outlet connections
Model BVECC	With Copper sweat inlet & outlet connections
Model BVECPEX	With PEX inlet & outlet connections

For Additional Information, Ask For BV-BVEC or visit our web site.

Options

-80	Relief setting at 80 psi	**-BF**	Relief valve connection, 3/8" hose barb fitting
-100	Relief setting at 100 psi	**-CF**	Relief valve connection, 3/8" hose compression fitting
-125	Relief setting at 125 psi	**-PEX**	Relief valve connection, 3/8" PEX fitting

Typical Installation



X Ref

WILKINS	CONBRACO	WATTS
34-BVEC	78-424-RV	BRV
34-BVECC	78-324-RV	BRVS
34-BVECCPEX		BRVP

Miscellaneous Plumbing Products

Water Hammer Arresters 1250 Series

Applications

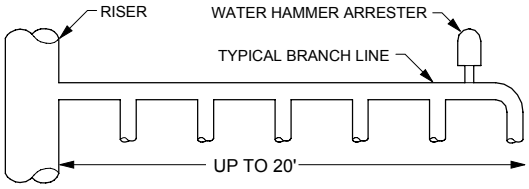
Designed to protect residential, commercial and industrial water lines during pressure surges following quick valve closure. This excessive pressure surge is absorbed by the pre-charged cushion of air permanently sealed within the water hammer arrester. The water hammer arrester may be installed within a stud bay without the need for an access panel. Also effective in controlling water hammer in irrigation systems.

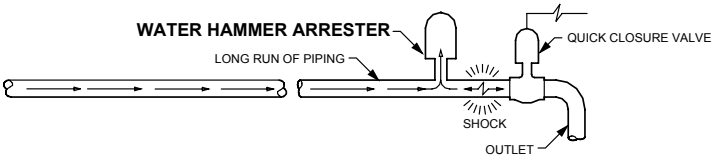
Features

- **A – F**
- Compact design allows installation in 2 x 4 wall cavities
- Water hammer arrester designed to protect residential, commercial and industrial water lines during pressure surges following quick valve closure
- Maximum temperature 180°F
- Maximum pressure 150 psi
- Pressure chamber seals an air charge above an o-ring sealed Acetal piston
- ASSE-1010, A.N.S.I. A112-26-1M

For Additional Information, Ask For WHA-1250 or visit our web site.

Typical Install





Water Hammer Arrester 1250AA-3C

Applications

Designed to protect residential, commercial and industrial water lines during pressure surges following quick valve closure. This excessive pressure surge is absorbed by the pre-charged cushion of air permanently sealed within the water hammer arrester. The water hammer arrester may be installed within a stud bay without the need for an access panel. Also effective in controlling water hammer in irrigation systems.

Features

- **AA**
- 1/2" male copper sweat connection
- Water hammer arrester designed to protect residential, commercial and industrial water lines during pressure surges following quick valve closure
- Maximum temperature 180°F
- For point of use applications
- Maximum pressure 150 psi
- Pressure chamber seals an air charge above an o-ring sealed Acetal piston
- ASSE-1010, A.N.S.I. A112-26-1M

For Additional Information, Ask For WHA-1250AA or visit our web site.

Hose Bibb Pressure Gauge Model HGI-25

Applications

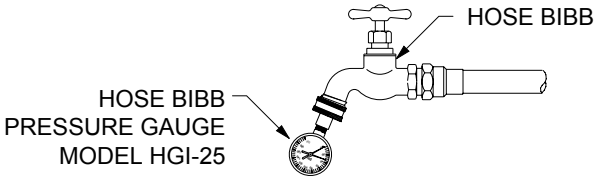
The Wilkins HGI-25 is designed to measure the water pressure in a plumbing system. Equipped with a 3/4" hose connection, the HGI-25 can be connected to any hose bibb. The HGI-25 is equipped with a tell-tale needle that will remain at the highest pressure reached. The needle is reset by turning a thumb screw. The HGI-25 is ideal for determining if thermal expansion is causing pressure rises within the system.

Features

- **3/4" hose**
- 3/4" hose adapter
- Useful in detecting thermal expansion problems
- Maximum pressure indicator needle
- 0 - 200 psi range

For Additional Information, Ask For MIS-GUAGE or visit our web site.

Typical Installation



Miscellaneous Plumbing Products

AQUA-LOCK Hose Bibb Lock Out Devices

Applications

Wilkins' Aqua-Lock is designed to limit or prevent unauthorized access to water system components. Typical Hose Bibb Lock applications include: industrial, residential, vacation homes, schools, property management companies, parks and stadiums.

Features

- Prevent unauthorized access to water supply
- Stop vandalism and water theft
- Supplied with two keys
- Keyed alike (quantity of 25 or more)
- Main body brass
- Lock stainless steel and brass

Options

Model HBHL24 Hose bibb handle lock.

Model HBL24 Hose bibb lock (in poly bag).

Model HBL24CS Hose bibb lock (clam-shell).

For Additional Information, Ask For MIS-AQUA LOCK or visit our web site.

Miscellaneous Plumbing Products

Vacuum Relief Valve VR10 Series

Applications

Designed for commercial and residential water lines to protect water supply systems and pressure vessels against internal vacuum conditions that could drain a system by siphonage, burn out heaters, or collapse storage tanks.

Features

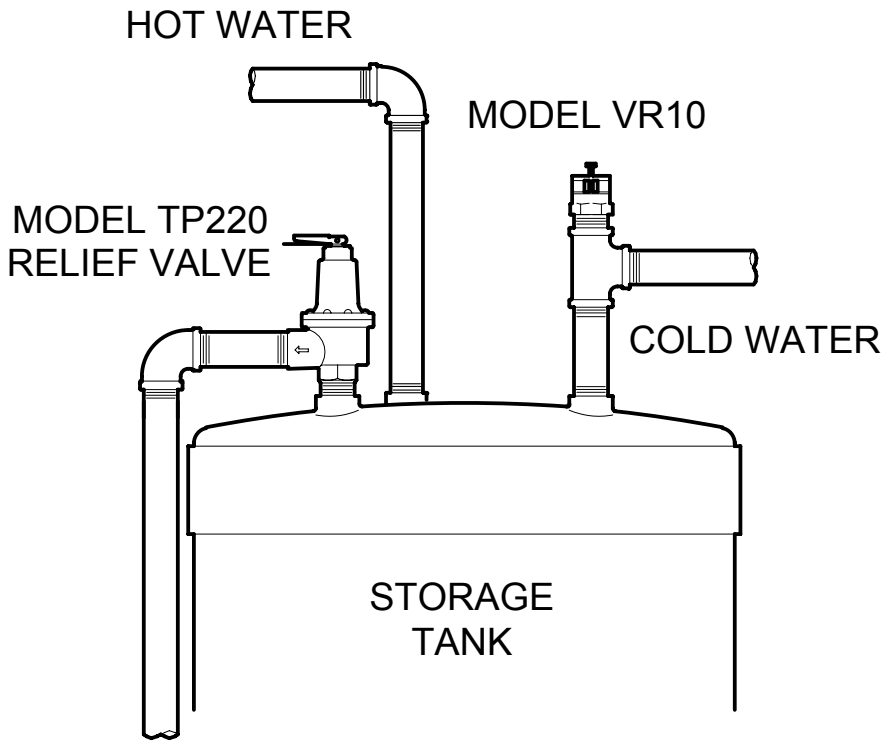
- **1/2", 3/4"**
- Vacuum relief valve, eliminates internal vacuum conditions
- Maximum working pressure 200 psi
- Maximum temperature 250°F
- All brass body and cap
- Install on cold water supply line
- Male inlet
- CSA rated, 13 CFM

For Additional Information, Ask For TP-VR10 or visit our web site.

Accessories

- ❑ T&P valve (Model TP1100A-4C, TP220-5C)
- ❑ Thermal expansion tank (Model XT)

Typical Installation



X Ref

WILKINS	WATTS	CONBRACO	CASH-ACME
VR10	N36	37-100	VR-801

Miscellaneous Plumbing Products

Slip Joint Unions

Applications

Designed to stay pressure tight, yet requires only two wrenches for installation. Ideal where conditions are cramped.

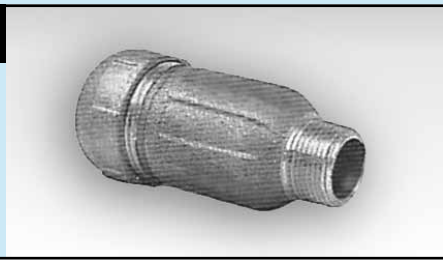
Features

- **3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"**
- Repair coupling for steel or copper pipe
- Brass body construction
- Maximum pressure 200 psi
- Maximum temperature 140°F

Options

Brass slip joint tees with FNPT branch outlets (domestic)

Slip Joint Adapter



Applications

Uniquely designed to be the fastest and easiest method of converting an existing IPS thread connection to a male IPS outlet.

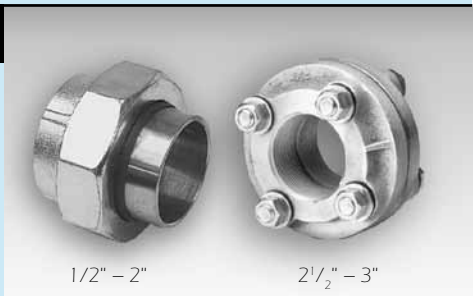
Features

- **1/2", 3/4", 1"**
- Repair coupling for steel or copper pipe
- Maximum pressure 200 psi
- Maximum temperature 140°F

Options

Brass slip joint adapter on one end with male NPT thread on other end

Dielectric Unions DUC Series



Applications

Designed for installation on potable water lines to protect against piping system deterioration caused by galvanic and stray current corrosion. A dielectric fitting is necessary where dissimilar metals are used in piping systems. Used to connect iron pipe with copper tube.

Features

- **1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"**
- Female iron pipe x female copper solder joint
- Maximum working pressure 250 psi
- Maximum temperature 180°F

Options

Model DUCHT High temperature gasket allows maximum temperature of 300°F @ 50 psi

For Additional Information, Ask For DU-C, M, BI or visit our web site.

Miscellaneous Plumbing Products

Dielectric Unions DU Series

Applications

Designed for installation on potable water lines to protect against piping system deterioration caused by galvanic and stray current corrosion. A dielectric fitting is necessary where dissimilar metals are used in piping systems. Used to connect brass pipe with iron pipe,

Features

- **1/2" 3/4", 1", 1¼", 1½", 2"**
- Female iron pipe x female brass pipe
- Maximum working pressure 250 psi
- Maximum temperature 180°F

Options

Model DUHT — High temperature gasket allows maximum temperature of 300°F @ 50 psi

For Additional Information, Ask For DU-C, M, BI or visit our web site.

Dielectric Unions DUM Series

Applications

Designed for installation on potable water lines to protect against piping system deterioration caused by galvanic and stray current corrosion. A dielectric fitting is necessary where dissimilar metals are used in piping systems. Used to connect iron pipe with copper tube.

Features

- **1/2", 3/4"**
- Male iron pipe x male copper solder joint
- Maximum working pressure 250 psi
- Maximum temperature 180°F

Options

Model DUMHT — High temperature gasket allows maximum temperature of 300°F @ 50 psi

For Additional Information, Ask For DU-C, M, BI or visit our web site.

Dielectric Unions DUBI Series

Applications

Designed for installation on potable water lines to protect against piping system deterioration caused by galvanic and stray current corrosion. A dielectric fitting is necessary where dissimilar metals are used in piping systems. Primarily used on gas service.

Features

- **1/2" 3/4", 1", 1¼", 1½", 2"**
- Female iron pipe x female brass pipe
- Maximum working pressure 250 psi
- For gas services
- Maximum temperature 180°F

Pressure Reducing Fire Sprinkler and Fire Hose Valves

Wilkins fire valve line has been expanded to include the new 4000 series! The ZW4000 and ZW4004 have received ALL their approvals and are in full production. The 4000 series is a factory set in-line maintainable valve, and as with the 2100 and 3000 series valves, the new 4000 series valves have lettered curve settings to specify the valves set point. See the instruction and maintenance sheets for all valve curve information and details on how to find the curve setting that fits your needs. The web site has been updated with a new tool to help calculate your valves' letter set point, go to www.zurn.com under the Wilkins fire valve section to use this effective valve setting calculator.

- ALL 4000 SERIES CURVE SETTINGS ARE NOW APPROVED AND AVAILABLE (N, O, P, Q, R, S, T, U) See instruction sheets for curve information.
- **All ZW4000 and ZW4004 valves part numbers need to contain the options and valve set point when ordering.** For example: a ZW4004 with a grooved connection and a set point of "P" will be ordered as a ZW4004G-P. Contact your manufacturer's representative or the Wilkins with any questions.
- OPTIONS (suffixes can be combined to fit your needs)

ZW4000 —Angle type valve
IL —In-line (globe) valve
G —Grooved inlet connection
C/C —Cap and chain
CH —Chrome finish
SF —San Francisco hose threads (3")
ST —Specified hose thread

ZW4004 — Angle type valve
IL — In-line (globe) valve
G — Grooved inlet and outlet connections
MSA — Monitor switch adapter
CH — Chrome finish
T — Tapped & plugged inlet and outlet for pressure gauge
CAP — Capped bonnet, no hand-wheel assembly

Pressure Reducing Fire Sprinkler and Fire Hose Valves

Fire Hose Valves Z2100, Z2105 Series

Applications

The Pressure-Tru™Z2100 and Z2105 series pressure reducing valve is listed as a standpipe valve for individual hose stations in class II systems. Regulates pressure under both FLOW and NO-FLOW conditions. Can be adjusted and set at the factory or field adjustable without draining the standpipe riser.

Features

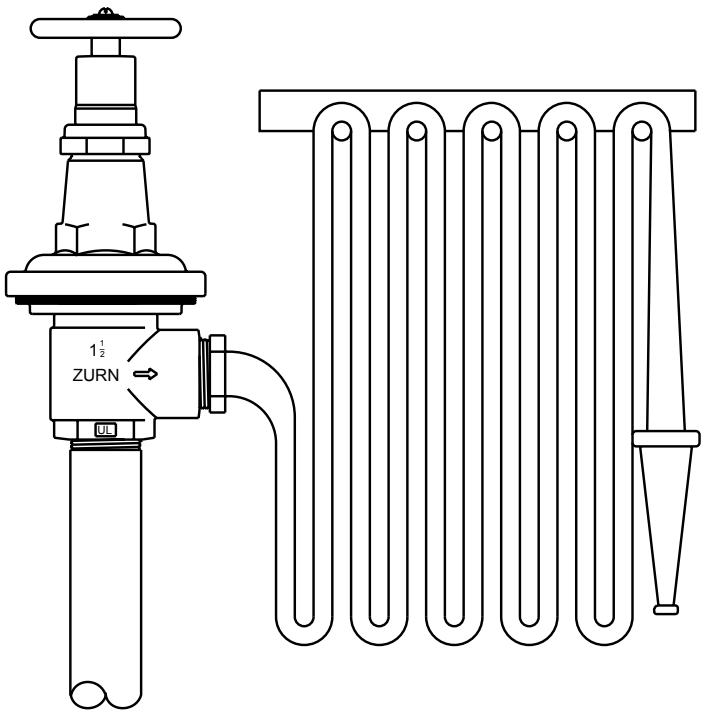
- **1 1/2"**
- For use in high pressure standpipes to control pressure to individual hose stations under both flow and no-flow conditions
- Rated up to 400 psi inlet pressure
- All bronze construction
- Z2100 series features 1 1/2" FNPT inlet connection with 1 1/2" male outlet hose connection, available with cap and chain
- Z2105 series features 1 1/2" female NPT inlet and outlet connections
- Angle type valve configuration
- All valves are adjustable and can be field or factory set
- Available with rough chrome finish
- Special hose threads available as an option
- UL® listed, C-UL® listed

Options

Z2100	Female NPT inlet and male hose outlet
Z2100CC	With cap and chain
Z2100CH	With chrome finish
Z2100ST	With specified hose thread
Z2105	Female NPT inlet and outlet angle valve
Z2105CH	With chrome finish

For Additional Information, reference W/K-FP catalog or visit our web site.

Typical Installation



X Ref

Wilkins	Elkhart	Dixon-Powhattan
Z2100	UR25-1.5	18-457 (1.5)
Z2105	UR20-1.5	18-458 (1.5)

Pressure Reducing Fire Sprinkler and Fire Hose Valves

Automatic Fire Control Valves Z3004 Series

Applications

The Pressure-Tru™ Z3004 series pressure reducing valve is listed as a floor control valve in automatic sprinkler systems as well as a standpipe valve for class I and class III systems. Regulates pressure under both FLOW and NO-FLOW conditions. Can be adjusted and set at the factory or field adjustable without draining the standpipe riser and fire sprinkler system.

(Shown with optional supervisory switch)

Features

- **2 1/2"**
- For use in high pressure standpipes to control pressure to an automatic sprinkler system under both flow and no-flow conditions
- Rated up to 400 psi inlet pressure
- Open-close indicating feature
- Designed for flows up to 500 gpm
- 2 1/2" female inlet and outlet connections or available with grooved options
- Available with optional integral supervisory switch
- Available in angle or in-line (globe) configurations
- All valves are adjustable and can be field or factory set
- Available with rough chrome finish
- UL® listed, C-UL® listed

Options

Z3004	Angle type valve
Z3004IL	In-line (globe type) valve
Z3004MSA	With monitor switch adapter
Z3004CH	With chrome finish
Z3004SS	With integral supervisory switch; contact rating of 3 amps at 125VAC and a tamper-resistant cover
Z3004T	Tapped & plugged inlet and outlet for pressure gauge (not available on angle grooved body)
Z3004CAP	With capped bonnet, no hand wheel assembly
Z3004G	Grooved inlet / outlet connections

For Additional Information, reference WK-FP catalog or visit our web site.

Typical Installation

X Ref

Wilkins	Elkhart	Giacomini	Dixon
Z3004	URFA-20-2.5	A201	FAPRAV F250
Z3004IL	URFA-20S-2.5	A203	FAPRV F250
Z3004SS	URFA-20-2.5-01		
Z3004MSA		A201/A170	
Z3004ILSS	URFA-20S-2.5-01		
Z3004ILMSA		A203/A170	

Pressure Reducing Fire Sprinkler and Fire Hose Valves

Automatic Fire Control Valves ZW4004 Series

Applications

The Pressure-Tru™ ZW4004 series pressure reducing valve is listed as a floor control valve in automatic sprinkler systems as well as a standpipe valve for class I and class III systems. Regulates pressure under both FLOW and NO-FLOW conditions. Factory set, non-field adjustable.

Features

- **2 1/2"**
- For use in high pressure standpipes to control pressure to an automatic sprinkler system under both flow and no-flow conditions
- Rated up to 400 psi inlet pressure
- Open-Close indicating feature
- Designed for flows up to 500 gpm
- 2 1/2" Female NPT inlet and outlet connections
- Available in angle or in-line (globe) configurations
- Valves are factory set only and **cannot** be adjusted in the field
- Available with rough chrome finish
- When ordering, add curve letter to part number. Example: "U" curve on a ZW4004 will be ZW4004-U. See specification sheet for curve information.
- UL® listed, C-UL® listed

Options

ZW4004	Angle type valve
ZW4004IL	In-line (globe type) valve
ZW4004G	With grooved inlet and outlet connections
ZW4004MSA	With monitor switch adapter
ZW4004CAP	With capped bonnet, no hand wheel assembly
ZW4004CH	With chrome finish
ZW4004SS	With built-in supervisory switch
SPECIFY	Tapped & plugged inlet and outlet for pressure gauge (not available on angle grooved body)

For Additional Information, reference WK-FP catalog or visit our web site.

X Ref

Wilkins	Elkhart	Dixon-Powhattan	Dixon
ZW4004	UR-20-2.5	18-458 (2.5)	NAPRAV F250
ZW4004IL	UR-20S-2.5	18-459 (2.5)	NAPRAF F250

Fire Hose Valves ZW4000 Series

Applications

The Pressure-Tru™ ZW4000 Series Pressure Reducing Valve is listed as a standpipe valve for individual hose stations in CLASS I and CLASS III systems. Regulates pressure under both FLOW and NO-FLOW conditions. Factory set, non-field adjustable.

Features

- **2 1/2"**
- For use in high pressure standpipes to control pressure to individual hose stations under both flow and no-flow conditions
- Rated up to 400 psi inlet pressure
- All bronze construction
- Model ZW4000 series features female NPT inlet x male hose thread outlet
- Model ZW4000G series features grooved inlet with threaded outlet
- Available in angle or in-line (globe) configurations
- Valves are factory set only and **cannot** be adjusted in the field
- Available with rough chrome finish
- Special hose threads available as an option
- When ordering, add curve letter to part number. Example: "U" curve on a ZW4000 will be ZW4000-U. See specification sheet for curve information.
- UL® Listed, C-UL® Listed

Options

ZW4000	Angle type valve
ZW4000IL	In-line (globe type) valve
ZW4000G	Grooved inlet
ZW4000SF	With San Francisco hose thread (3")
ZW4000CC	With cap and chain
ZW4000CH	With chrome finish
ZW4000ST	With specified hose thread

For Additional Information, reference WK-FP catalog or visit our web site.

X Ref

Wilkins	Elkhart	Dixon-Powhattan
ZW4000	UR-25-2.5	18-457 (2.5)

Pressure Reducing Fire Sprinkler and Fire Hose Valves

Fire Hose Valves Z3000/Z3005 Series

Applications

The Pressure-Tru™ Z3000 and Z3005 series pressure reducing valve is listed as a standpipe valve for individual hose stations in class I and class III systems. Regulates pressure under both FLOW and NO-FLOW conditions. Can be adjusted and set at the factory or field adjustable without draining the standpipe riser.

Features

- **2 1/2"**
- For use in high pressure standpipes to control pressure to individual hose stations under both flow and no-flow conditions
- Rated up to 400 psi inlet pressure
- All bronze construction
- Model Z3000 series features female NPT inlet x male hose thread outlet or available with grooved inlet
- Model Z3005 series features female NPT inlet and outlet
- Available in angle or in-line (globe) configurations
- All valves are adjustable and can be field or factory set
- Available with rough chrome finish
- Special hose threads available as an option
- UL® listed, C-UL® listed

Options

Z3000	Angle type valve
Z3000IL	In-line (globe type) valve
Z3000CC	With cap and chain
Z3000CH	With chrome finish
Z3000SF	With San Francisco hose thread (3")
Z3000ST	With specified hose thread
Z3000G	Grooved inlet

Z3005	Angle type valve
Z3005IL	In-line (globe type) valve
Z3005CH	With chrome finish
Z3005CAP	With capped bonnet

For Additional Information, reference WK-FP catalog or visit our web site.

Typical Installation

X Ref

Wilkins	Elkhart	Giacomini
Z3000	URFA25-2.5	A202
Z3000IL		A204

Pressure Reducing Fire Sprinkler and Fire Hose Valves

Automatic Fire Control Valves ZW4104 Series

Applications

The Pressure-Tru™ ZW4104 series pressure reducing valve is listed as a floor control valve in automatic sprinkler systems as well as a standpipe valve for class II systems. Regulates pressure under both FLOW and NO-FLOW conditions. Factory set, non-field adjustable.

Features

- **1 1/2"**
- For use in high pressure standpipes to control pressure to an automatic sprinkler system under both flow and no-flow conditions
- Rated up to 400 psi inlet pressure
- Open-Close indicating feature
- Designed for flows up to 200 gpm
- 1 1/2" Female NPT inlet and outlet connections
- Available in angle style only
- Valves are factory set only and **cannot** be adjusted in the field
- Available with rough chrome finish
- When ordering, add curve letter to part number. Example: "Q" curve on a ZW4104 will be ZW4104-Q. See specification sheet for curve information.
- Contact factory for approvals & availability

Options

ZW4104	Angle type valve
ZW4104G	With grooved inlet and outlet connections
ZW4104MSA	With monitor switch adapter
ZW4104CAP	With capped bonnet, no hand wheel assembly
ZW4104CH	With chrome finish
ZW4004SS	With built-in supervisory switch

For Additional Information, reference WK-FP catalog or visit our web site.

X Ref

Wilkins	Elkhart	Dixon-Powhattan
ZW4104	UR-20-1.5	NAPRAVF150 (18-458 1.5)

Fire Hose Valves ZW4100 Series

Applications

The Pressure-Tru™ ZW4100 series pressure reducing valve is listed as a standpipe valve for individual hose stations in class II systems. Regulates pressure under both FLOW and NO-FLOW conditions. Factory set, non-field adjustable.

Features

- **1 1/2"**
- For use in high pressure standpipes to control pressure to individual hose stations under both flow and no-flow conditions
- Rated up to 400 psi inlet pressure
- All bronze construction
- Model ZW4100 series features female NPT inlet x male hose thread outlet
- Model ZW4100G series features grooved inlet x male hose thread outlet
- Available in angle style only
- Valves are factory set only and **cannot** be adjusted in the field
- Available with rough chrome finish
- Special hose threads available as an option
- When ordering, add curve letter to part number. Example: "Q" curve on a ZW4100 will be ZW4100-Q. See specification sheet for curve information.
- Contact factory for approvals & availability

Options

ZW4100	Angle type valve
ZW4100G	Grooved inlet
ZW4100CC	With cap and chain
ZW4100CH	With chrome finish

For Additional Information, reference WK-FP catalog or visit our web site.

X Ref

Wilkins	Elkhart	Dixon-Powhattan
ZW4000	UR-25-1.5	NAPRAV150F (18-457 1.5)

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